

Chapter 5

Infantry Weapon Systems

Section I

Introduction

5-1. Standards, strategies, and requirements

a. This chapter provides weapon standards, training strategies and resource requirements for units equipped with the [Bradley Fighting Vehicle \(M2 and M3\)](#), Anti-armor Weapons ([TOW/ITV](#), [Dragon](#), [AT-4](#)), [Mortars \(60mm, 81mm, 107mm, 120mm\)](#), Machine Guns ([M60/M240B MMG](#), [M2 HB HMG](#), [MK-19 GMG](#)) and individual Weapons ([M16A1/A2 Rifle](#), [M4 Carbine](#), [M21/M24 Sniper Rifle](#), [M3A1 SMG](#), [M249 LMG/AR](#), [M203 Grenade Launcher](#)), [Pistols \(M1911A1 .45 Cal Pistol, 9mm Pistol, .38 Cal Revolver\)](#), [Hand Grenade](#), [M18A1/A2 Claymore Mine](#) and Shotgun. Also included is the H & K MP5 submachine gun carried by some CID agents, the .50 Cal Barrett sniper rifle and the M240 mounted on the FOX NBC vehicle. The training programs provided have been specifically designed for each weapon system at four different training readiness conditions (TRC): TRC A, active Army; TRC B, National Guard Enhanced Brigades; TRC C, USAR and other National Guard units; and TRC D, Reserve Training Divisions. Each program contains a standard and strategy which outlines the training sequence and includes suggested frequencies of live fire, subcaliber fire and device usage. Tables 5-3 and 5-4 show an index of Infantry and CS/CSS weapons and weapon systems for which training programs have been written and approved. Table 5-5 provides cross reference entries to the standard and strategy for each weapon or weapon system.

b. The objective is to assist field commanders in attaining and sustaining TRC standards and to ensure acceptable levels of weapon proficiency are developed in all units.

c. Training strategies in this chapter are not necessarily based on exercises in current FM's and ARTEPs. (The specifics of each exercise will not be presented here; the appropriate manual will have to be consulted.) **Due to ammunition constraints STRAC may not support the exercises in the FM's and ARTEPs. ALL SOLDIERS MAY QUALIFY WITH THEIR ASSIGNED AND/OR DESIGNATED WEAPONS PRIOR TO DEPLOYMENT IF THEY HAVE NOT QUALIFIED WITHIN SIX MONTHS OF DEPLOYMENT DATE.**

d. As noted in AR 350-41, MACOM commanders are authorized to approve the use of prescribed alternate methods and modified or subcaliber courses when the unit conducting training does not have reasonable access to adequate range facilities. All other modifications must be approved by the proponent.

e. Training programs for some weapon systems have been divided into two categories-Category I and Category II. Each program contains a standard and a strategy which outlines the training sequence and includes suggested frequencies of live fire, subcaliber fire and device usage.

(1) Category I applies only to soldiers with an 11B or 11M MOS assigned to an infantry rifle platoon or 19D or 11B assigned to a scout platoon/long range surveillance detachment ([LRSD](#)). Combat engineers assigned to heavy divisions are included in this category for the M2 HB MG only. This category also applies to Military Police platoons and to 11H soldiers assigned to D company of airborne/air assault units for the MK-19 only. **A separate column on Table 5-34 identifies the active component Military Police unit strategy.** For the Claymore mine, combat engineers are resourced as Category I. Both individual and collective weapons training standards and strategies have been developed for this category.

(2) Category II applies to all other soldiers not identified as Category I. Only individual training standards and strategies have been developed for this category.

f. Some training strategies do not reflect all firing exercises authorized for a particular weapon system. Examples are military operations on urban terrain (MOUT) and small arms air defense (SAAD). These exercises should be scheduled and executed as required by the commander's mission essential task list (METL) when time and resources permit.

5-2. Training devices

a. *General.* The Infantry continues to rely on extensive use of actual equipment, full caliber ammunition and training devices to train individuals, crews and platoons. However, missile training strategies emphasize the use of training devices as the primary means of training for Tow, Dragon and AT-4 IAW DA policy.

b. *Objective.* Training devices aid sustainment training in garrison and local training areas. Devices enhance and sustain skills and, in some cases, may be the sole medium for training critical tasks. Device use is more effective under the tutelage of a trained instructor.

c. *Device list.* The following devices are an integral part of the training strategies. Full caliber ammunition allocations are based on their use as presented in the strategies.

(1) *Unit Conduct of Fire Trainer (UCOFT)/Mobile Conduct of Fire Trainer (MCOFT).* This gunnery simulator provides training in critical gunnery and procedural tasks for Bradley gunners and vehicle commanders. The basis of issue is one UCOFT per Active Component (AC) Bradley equipped battalion or squadron and one MCOFT per Reserve Component (RC) Bradley equipped battalion or squadron. It will be used to sustain gunnery proficiency between periods of full caliber live firing. The COFT consists of a gunner and commander station, an instructor/operator station and integrated visual, audio and computer subsystems. Computer generated images are presented to the gunner and commander through the optics of the Bradley fire control system. COFT is capable of training individual and collective operational procedures, target acquisition/identification, target engagement and adjustment of fire using primary or alternate fire control equipment.

(2) *M240C Machine-gun.* The M240C Coax machine-gun can be used to fire BFV subcaliber tables III, IV, and V on 1/10-scale, 1/5-scale, 1/2-scale and full-scale ranges. It can also be employed on a full-scale range using

1/2-scale targets to allow the gunner to use proper ranging procedures.

(3) *Precision Gunnery System (PGS)*. This is a vehicle appended gunnery training device for the BFV that utilizes eyesafe lasers and retro-reflectors. PGS is interfaced with vehicle electronics and is transparent to the crew. It can be used in conjunction with MILES, Remoted Target Systems (RETS), Thru Sight Video (TSV), the Hoffman Device and Automatic Weapons Effects Signature Simulator (ATWESS). This device supports precision gunnery for BT I, II, III, IV, and XII, as well as degraded gunnery and limited force-on-force training with main gun, Coax and TOW.

NOTE: Active Army Bradley units (Infantry/Cavalry/Scouts) equipped with the PGS will be decremented one iteration of BT IX and BT X (Cavalry/Scout) or BT XI and BT XII (Infantry).

(4) *Dragon Field Handling Trainer (FHT)*. The FHT simulates the configuration of the Dragon tactical round. Trainers should use the FHT in lieu of the Dragon tactical round and Launch Effects Trainer (LET) when conducting field handling exercises to prevent unnecessary damage to the tactical round and LET. The FHT (used with the tracker) will aid gunners and trainers in performing and evaluating the preparatory marksmanship steps (positions, sighting and aiming, breathing and tracking).

(5) *Precision Gunnery Training System (PGTS)*. The PGTS is a family of five complimentary trainers replacing M57 LET and M70 TOW trainers. These devices are as follows:

(a) *TOW Gunnery Trainer (TGT)*. (Trainer, Gunnery, Antitank: AN/TWQ-T1, Army Device No. 07-77). The TGT is a videodisc based trainer designed for use in a classroom, maintenance bay or ship troop bay. It consists of an instructor console and student station which further consists of a simulated sight unit attached to the user's TOW 2 tripod and traversing unit. Each TGT comes with an optical disc library of gunnery scenarios. These scenarios are presented in day-view or thermal modes, include visual and aural launch effects and contains a mix of threat and friendly vehicles. Gunner performance is reported as HIT or MISS with miss distance and tracking score. The TGT is a Training Support Center (TASC) item. It replaces the M70 TOW Trainer in unit TO&Es.

(b) *TOW Field Tactical Trainer (TFTT)*. (Trainer, Guided Missile: AN/TWQ-T3, Army Device No. 07-78). The TFTT is an eye-safe, precision-laser range device configured to resemble actual TOW components. The TFTT appends to a TOW 2 launcher, temporarily converting it to a high fidelity precision trainer. The TFTT operates from vehicle or battery power and uses the M80 TOW blast simulator. The TFTT operates from the tripod or M966 HMMWV TOW. The TFTT operates in all weather from a range of 200 to 3750 meters and uses standard range targets or vehicle targets equipped with a laser retro-reflector. The TFTT may be used in limited force on force exercises if target vehicles also have MILES detector belts installed.

(c) *Improved TOW Vehicle Field Tactical Trainer (ITV FTT)* (Trainer, Guided Missile: AN/TWQ-T5, Army Device No. 07-123). The ITV FTT is an alternate design to the TOW FTT configured for use on the M901A1 Improved

TOW Vehicle. The ITV FTT will also operate from the tripod or M966 HMMWV TOW.

(d) *Dragon Gunnery Trainer (DGT)* (Trainer, Gunnery, Antitank: AN/TWQ-2 Army Device No 07-76). The DGT has the features of the TGT but uses a simulated Dragon launcher. Launch effects and flight characteristics are seen, felt and heard by the gunner. The DGT is a Training Support Center item. It replaces the M57 Launch Effects.

(e) *Dragon Field Tactical Trainer (DFTT)*. (Trainer, Guided Missile: AN/TWQ-T4, Army Device No. 07-79). The DFTT is similar to the TFTT, but configured to resemble Dragon missile components. The DFTT accepts either the Dragon Day Tracker or Night Sight. The DFTT also uses the M80 TOW blast simulator. The DFTT operates from a range of 200 to 1000 meters.

(6) *LAW-M190 Subcaliber Launcher*. The M190 subcaliber launcher is made by converting expended LAW launchers. The unit armorer requisitions the items required to convert a fired LAW launcher to the subcaliber launcher through supply channels. The M190 can be used for all phases of LAW gunnery. The subcaliber rocket simulates the noise, smoke, blast and flight trajectory of the tactical rocket.

(7). *The 81MM insert for the 120MM mortar (M303)*. Consists of an 81MM (M29A1) barrel, a filler block and a sleeve that fits inside the 120MM barrel. It is capable of firing 81MM 300 series ammunition to include the training ammunition (M880 SRTR). The 81MM barrel insert device is intended to meet all training requirements for the mortar system. The insert permits firing all of the ARTEP critical tasks thereby training all of the indirect fire team (FO, FDC, and crews).

(8) *LAW/AT-4 Field Handling Trainer (FHT)*. Units will receive an initial issue of these devices through their local TASC. This device satisfies LAW/AT-4 gunners' requirements to conduct target acquisition and procedural gunnery tasks during instructional and unit training without actual live fire.

(9) *AT-4 Tracer Trainer (TT)*. The TT is a specially designed AT-4 launcher that accepts a special rifle barrel that fires a downloaded 9mm tracer bullet. This device simulates the AT-4 weapon in weight, balance, physical characteristics and gunner operation. The 9mm bullet replicates the flight trajectory of the tactical rocket. Expended tactical launchers cannot be converted to TTs. TTs are listed as a separate line item with replaceable parts.

(10) *Short Range Training Round (SRTR)*. The SRTR is either a 60mm (M766) or an 81mm (M880) round with the appropriate refurbishment kit (class V item). The SRTR has one tenth the range of a full service round, but is ballistically similar. The SRTR is a device for training all elements of the indirect fire team. It provides the forward observer with a sound/visual signal by which he can spot rounds and make adjustments. The fire direction center (FDC) computes actual data. The gun crew places data obtained from the FDC on the gun and drops a life size round down the tube. The entire team functions exactly as in a live-fire exercise. The SRTR is designed to supplement and enhance the total mortar training program. It does require a designated mortar training range/area and

should not be fired into a live-fire/HE impact area. Crews must use a special tool kit, available at each installation, in order to safely recover and refurbish either the M880 or the M766 cartridge. SRTR is employed using either 60mm or 81mm weapons systems or the 107mm or 120mm systems with the appropriate insertable sleeve.

(11) *60mm Subcaliber Mortar, M31.* The 60mm subcaliber mortar, M31, is a 60mm mortar cannon modified to allow it to be inserted into a 107mm (4.2-inch) mortar cannon. This allows all elements of the indirect fire team to conduct realistic training without the high cost of firing 107mm (4.2-inch) ammunition. Only B627 60mm Illumination, B269 60mm TP, B634 60mm TP, B630 60mm WP, B632 60mm HE and B645 60mm Practice rounds may be utilized. The new family of 60mm mortar ammunition cannot be fired in this subcaliber device.

(12) *Machine Gun Recoil Amplifier, .50 Caliber, M3.* The M2HB Machine Gun Recoil Amplifier boosts the power that is required to effectively cycle the weapon when using the M858 .50 caliber short range plastic practice tracer cartridges. This ammunition enables realistic training to be carried out at considerably shorter distances with greatly reduced danger areas. Standard M33 ball (service) ammunition cannot be used when the recoil amplifier is attached to the weapon. A discriminator MUST be installed in the feedtray of the gun when the recoil amplifier is in use. The discriminator restricts the entry of M33 service ammunition into the feedtray of the M2HB machine gun but permits the shorter plastic cartridges to feed.

(13) *Multiple Integrated Laser Engagement System (MILES).* This very effective, eye-safe laser system is used with several weapons systems and blank ammunition. It provides a means to train and sustain combat skills in a realistic force-on-force environment using actual equipment. It enhances realism in force-on-force tactical exercises and develops weapons proficiency, as well as many individual and collective combat skills. The system provides real-time feedback to both the individual soldier and leaders.

(14) *Weaponeer.*

(a) The Weaponeer is an effective marksmanship training device which closely approximates the live firing of an M16A1/A2 rifle. The system consists of a standard M16A1 rifle which has been modified and is non-restorable. Realistic sound is provided through a headset. Recoil is provided by a rod attached to the front of the weapon. The target assembly contains a zero target, 25 to 250 meter scaled targets and the capability to present various target arrays encountered on live-field and record-fire ranges.

(b) The Weaponeer can be used in two ways. First, it can be used to teach basic skills and diagnose shooting problems. Second, it can be used to practice and reinforce certain shooting exercises. The Weaponeer is not acceptable as a substitute for record qualification firing.

(15) *Multipurpose Arcade Combat Simulator (MACS).* The MACS is an inexpensive part-task trainer utilized with the M16A1/A2. MACS was designed to train and sustain marksmanship skills and has been validated through extensive testing. The system consists of a Super Nintendo microprocessor or a modified Zenith computer, 13-inch color monitor, specially designed long-distance light pen and mount which attaches to the M16 rifle. Some versions use a permanent mount on a demilitarized rifle.

The system is activated by a program cartridge which contains several training exercises. MACS can be acquired for less than \$2000.00 by contacting the Training Support Center, Ft Benning, GA. MACS provides additional practice for those units that do not have access to adequate range facilities or have other resource constraints.

(16) *The 5.56mm Short Range Training Ammunition (SRTA).* The SRTA may be used in lieu of 5.56 ball or .22 caliber rim-fire adapter (RFA) for the tasks outlined in the rifle strategies on a 25 meter range. The ammunition must be used with the M2 bolt assembly. SRTA should only be used for record fire when full caliber cannot be used.

(17) *Bolt Assembly, 5.56mm, M2.* The M2 bolt assembly is a training device used with short range training ammunition (SRTA). This special bolt, designed to be interchangeable between the M16A1, M16A2 and M4 Carbine, is required to cycle the rifle when it is firing SRTA. Use of this bolt converts these rifles from gas-operated weapons to blowback-operated weapons.

(18) *Target Box Exercise.* The target box is used to teach and permit a soldier to practice placement of the aiming point. It requires a rifle, rifle rest, plain piece of paper, pencil and coach/trainer.

(19) *Riddle Sighting Device.* The device is used to train correct sight picture. It is attached to the weapon's front site post and then moved until the soldier obtains the correct sight picture. A coach/trainer checks the sight picture using an M16 sighting device.

(20) *M16 Sighting Device.* The M16 sighting device is a metal frame with a tinted glass reflector. When attached to the rear sight, the device permits the coach/trainer to observe at a right angle the firer's sight alignment and aiming point. It may be used with live or dry-fire training.

(21) *M151A1 Aiming Card.* This is a simple cardboard aid designed to demonstrate rifle sight alignment and point of aim. It can be used to evaluate and/or teach the fundamental skill.

(22) *Dime-Washer Exercise.* This is a technique to teach or evaluate the skill of trigger pull. A coach/trainer places a dime or washer on the firer's weapon barrel just forward of the front sight. During dry-fire, if the proper trigger pull (squeeze) is executed, the dime-washer will remain on the barrel when the hammer falls. When using M16A2 rifle, a piece of 3/4" bonding material (tape, cardboard) is folded into a clothes pin shape and inserted into the compensator of the rifle so that the dime washer can be placed on top of the compensator.

(23) *Night Firing, Target Mechanism, Small Arms M40.* This is a portable electromechanical control mechanism that comes with fifteen targets that are used in the night firing of small arms on non-Remoted Target System (RETS) ranges. A counter/flasher chassis assembly records hits made by the firer and causes the muzzle flash simulator lights on each target to blink on command.

(24) *Videodisc Gunnery Simulator (VIGS).* The VIGS is a table-top gunnery trainer designed for training only the TRC B Bradley gunner. It consists of a simulated gunner's station with all weapons and controls similar to those in the Bradley. The graphics for this system comes from the

videodisc. All tasks are programmable, which allows the supervisor to retrain. Each system is packed with five discs. Each disc progresses in difficulty in combat situations, number of targets, movement of targets and movement of the Bradley. The gunner can train alone with a simulated BC to provide fire commands and to lay the weapon system for direction.

(25) *The 81mm insert for the 120mm mortar.* The 81mm insert consists of an 81mm (M29A1) barrel, a filler block and a sleeve that fits inside the 120mm barrel. It fires the 81mm 300/800/900 series round, including the training ammunition (M880 SRTR). The 81mm barrel insert device is intended to meet all training requirements for the 120mm mortar system. The insert permits firing all of the ARTEP critical tasks, thereby training all of the indirect fire team (FO, FDC and Crews).

(26) *Shoot/Don't Shoot Stress Training Device (SDSSTD).* The SDSSTD is a single system simulator trainer that provides preliminary marksmanship training on the 9mm Beretta pistol and 12 gauge shotgun. This system has up to 40 SDSSTD scenarios to train law enforcement personnel. The SDSSTD training is conducted in a classroom environment. Training with the SDSSTD is conducted on large screen (7' x 9') video projection. Results are provided by replay or printed record.

(27). *Engagement Skills Trainer (EST)* The EST is a multipurpose marksmanship training device. The technology is essentially the same as the SDSSTD but with marksmanship training scenarios for all Infantry Squad weapons: M16, M203, M249, M9. Other weapons that may be adapted to the system include the MK-19 GMG, .50 Cal MG, M60/M240B MG and AT-4. Training scenarios used are based on Marine Corps' programs of instruction. The

device is being fielded within the National Guard. The AC is reviewing for acceptance.

(28) *Javelin Training Devices.* There are three devices associated with the Javelin: the Basic Skills Trainer, the Field Tactical Trainer, and the Missile Simulation Round.

(a) Basic Skills Trainer (BST). The BST consists of a student station and an instructor station. It is an indoor/shipboard training device that can test the gunner's skills in a wide variety of situations. The student station consists of a simulated CLU and Simulated Missile Round (SMR). The instructor station consists of a color video display screen, an 80386-based microcomputer, hard and floppy disk drives, a keyboard, and an air conditioner. The instructor station allows the instructor to view all of the gunner's actions and to create new training exercises. The BST runs engagement exercises that are displayed as computer-generated images in the simulated CLU.

(b) Field Tactical Trainer (FTT). The FTT consists of a Simulated Round (SR) and an Instructor Station. The FTT is designed to be used as an outdoor trainer and is equipped with the Multiple Integrated Laser Engagement System (MILES).

(c) Missile Simulation Round (MSR). The MSR consists of a sealed launch tube that contains no instruments or circuitry. It simulates the weight and balance of the round and has CLU and BCU connectors. The MSR is used to train gunners how to maintain, handle, and carry the round.

(29) *Training Device Index.*

(a) Information concerning the classification of various type aids and the publications which provide up-to-date information are listed in Table 5-1 below.

TABLE 5-1
Training Device Index

Type: Graphic Training Aids (GTA)

Description: Charts, Handout Cards, Diagrams, Posters, Overhead Transparencies, 35mm Slides and small plastic aids.

Source publication: DA Pam 108-1, "Index Army Motion Picture and related Audiovisual Aids."

Type: Training Devices (TD)

Description: Three Dimensional Training Aids, e.g., Scale Models and Simulators.

Source publication: DA Pam 310-12, "Index and Description of Army Training Devices."

Type: Audiovisuals (AV)

Description: Motion Pictures, Audio Cassette Tapes and Video Tapes.

Source publication: DA Pam 108-1 and TRADOC Pam 350-33, "Educational Video Tape Catalog."

Type: Training Film

Description: Audiovisual 8mm Film

Source publication: Extension Training

(b) To further assist in the selection of appropriate aids, many of the available M16 training aids and their identification numbers are listed in Table 5-2 below. An assessment of the training value of each aid/device is indicated by the number 1, 2 or 3. These numbers indicate ratings as follows: 1- recommended for unit training, (items will remain in the system); 2- may be used, but needs to be updated, (items are being updated or replaced, but will be in the system for a considerable period of time); 3- outdated and not recommended for unit training. (These items are under consideration for elimination from the system or will be replaced by updated items. However, trainers should be aware that it may be some time before all of these items are eliminated from the local

TASC.) Unit training programs must include the judicious use of aids and devices. The TASC should be the primary source for these aids.

TABLE 5-2

M16 Training Aids

Type: Training Device (TD)
Nomenclature: Weaponeer-Rifle Marksmanship Trainer
ID number: DVC 7-57
Rating: 1

Type: Training Device (TD)
Nomenclature: M16 Sighting Device
ID number: DVC-T 7-84
Rating: 1

Type: Training Device (TD)
Nomenclature: Target Box Paddle
ID number: DVC-T 7-86
Rating: 1

Type: Training Device (TD)
Nomenclature: Riddle Device
ID number: DVC-T 7-87
Rating: 1

Type: Training Device (TD)
Nomenclature: M16 Rifle Brass Deflector
ID number: DVC-T 23-30
Rating: 1

Type: Training Device (TD)
Nomenclature: M15A1 Aiming Card
ID number: NSN 6910-00-716-0930
Rating: 1

Type: Training Device (TD)
Nomenclature: M16A1 Disassembly Mat
ID number: TADA-34 (locally fabricated)
Rating: 1

Type: Training Device (TD)
Nomenclature: Rifle Rest (for Target Box Exercise)
ID number: TA-D-12 (locally fabricated)
Rating: 1

Type: Training Device (TD)
Nomenclature: Rifle Rest (Portable)
ID number: TA-D-12 (locally fabricated)
Rating: 1

Type: Training Device (TD)
Nomenclature: Front and Rear Sight, M16 Rifle
ID number: TA-D-26
Rating: 1

Type: Training Device (TD)
Nomenclature: Rotating Panel Chalkboard Holder for GTA Charts
ID number: TA-D-4 (locally fabricated)
Rating: 1

Type: Training Device (TD)

Nomenclature: Sight Picture, Rifle and Pistol

ID number: TA-D-10

Rating: 3

Type: Training Device (TD)

Nomenclature: Sighting Aiming Bar

ID number: TA-D-11

Rating: 3

Type: Training Device (TD)

Nomenclature: Sighting Disc

ID number: TA-D-13

Rating: 3

Type: Training Device (TD)

Nomenclature: Windage Clock

ID number: TA-D-14

Rating: 2

Type: Training Device (TD)

Nomenclature: Rifle, M16-Plastic working model, 3 to 1 scale

ID number: TA-D-32

Rating: 2

Type: Training Device (TD)

Nomenclature: Rifle, M16-Plastic, working model, 2 to 1 scale

ID number: TA-D-34

Rating: 2

Type: Training Device (TD)

Nomenclature: Rifle, M16-Plastic, actual size, no working parts

ID number: TA-D-65

Rating: 2

Type: Training Device (TD)

Nomenclature: Marksmanship Device with Spotters

ID number: TA-D-109

Rating: 3

Type: Graphic Training Aid (GTA)

Nomenclature: Rifle 5.56, M16A1 Mechanical Training-1973

ID number: GTA 7-1-26

Rating: 1

Type: Graphic Training Aid (GTA)

Nomenclature: Rifle, M16 Disassemble

ID number: GTA 9-6-43

Rating: 1

Type: Graphic Training Aid (GTA)

Nomenclature: M16A1 Rifle Malfunction

ID number: GTA 9-6-44

Rating: 1

Type: Graphic Training Aid (GTA)

Nomenclature: M16A1 Rifle Maintenance Card

ID number: GTA 21-1-3

Rating: 1

Type: Training Films (TF)

Nomenclature: Weapons Safety-Part I M16A1 Rifle (1973)

ID number: TF 7-4584
Rating: 1 (Also available on Video Tape)

Type: Training Films (TF)
Nomenclature: Rifle, M16A1-Part I, Care Cleaning, Lubrication
ID number: TF 21-3907
Rating: 1 (Also available on Video Tape)

Type: Training Films (TF)
Nomenclature: Rifle, M16A1-Part II Field Expedients
ID number: TF 21-3908
Rating: 1 (Also available on Video Tape)

Type: Training Films (TF)
Nomenclature: Rifle Marksmanship Target Detection (1963)
ID number: TF 7-3319
Rating: 2

Type: Training Films (TF)
Nomenclature: Fundamentals of Rifle Marksmanship (1972)
ID number: TF 7-4320
Rating: 3

Type: Video Tapes (VT)
Nomenclature: Engagement of Moving Personnel Targets with the M16A1 Rifle Team from the Foxhole Position
ID number: 2I/010-071-1271-B
Rating: 1

Type: Video Tapes (VT)
Nomenclature: Cycle of Functioning M16A1 Rifle
ID number: 2E/071-0444-B
Rating: 1

Type: Video Tapes (VT)
Nomenclature: Overview of BRM Training
ID number: 010-071-0086-B
Rating: 1

Type: Video Tapes (VT)
Nomenclature: Briefing on BRM (1987)
ID number: 2E/010-071-0725-D
Rating: 1

Section II Training Programs

5-3. Development

Notional training programs have been developed for each TRC level. Infantry weapon systems and Combat Support/Combat Service Support (CS/CSS) weapons that have written training programs are identified in Table 5-3 and 5-4. The standard is stated at the beginning of each program. The individual training strategy is given first, followed by the training of the squad, crew and/or platoon. Proficiency is achieved through the use of devices, dry fire, subcaliber and full caliber live fire exercises. Ammunition resources for each TRC level are discussed at the conclusion of each training program. The programs were developed on the assumption that training events will be evenly spaced throughout the training year. Resource availability (such as ranges) may allow a commander more live fire opportunities of shorter duration. In this case, not all squads, crews and platoons in the battalion would train at each opportunity.

Table 5-3

Infantry Weapons Systems Training Index

Weapon	Table	Paragraph
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BSFV M3	5-5	
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81mm Mortar	5-7	
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120mm Mortar	5-7	
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M82A1 Sniper Rifle (CAT II)	5-9	
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M3A1	5-9	
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Claymore Mine (M18A1/A2) (CAT I, II)	5-9	5-
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TABLE 5-4

CS/CSS Weapons System Training Index

Weapon	Paragraph
Table	
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5-4. Purpose and objectives of the training programs

Training programs will provide a method for the attainment and sustainment of weapons proficiency throughout the training year. They will ensure that all crews and platoons in a battalion are adequately trained and able to sustain weapons proficiency.

5-5. Programs for the Bradley Infantry Fighting Vehicle (M2 and M3)

a. *Bradley Fighting Vehicle (M2).* The standards are given below for each TRC. Recommended training strategies and ammunition resources are given in table 5-6 and 5-7 (PGS) for TRC A, table 5-8 for TRC B, table 5-9 for TRC C and table 5-10 for TRC D USAR Training Battalion.

(1) *TRC A Standard.* All BFV crews must qualify on the Bradley Crew Proficiency Course prior to live firing. Eighty-five percent of the mechanized battalion's assigned primary crews and 85 % of the platoon leader alternate M2 crews will have qualified on Table VIII within the past six months. All platoon crews and the platoon leader alternate crews must qualify on BT VIII before attempting BT XII. Seventy-five percent of the rifle platoons will have qualified on table

XII within the past six months. All infantry squads alone or as part of a larger unit will have successfully participated in a dismounted LFX to standard (ARTEP 7-8 MTP/7-7J MTP FM 23-1) within the past six months. All platoons will have successfully completed an external evaluation to ARTEP 7-8 MTP (ARTEP 7-7J MTP) standards while participating in a Company or Battalion FTX within the past six months.

NOTE: Battalions issued the Precision Gunnery System (PGS) will be allocated ammunition for only one iteration of

BT XI and BT XII. The second iteration will be conducted with PGS.

(2) *TRC B Standard.* All BFV crews must qualify on the Bradley Crew Proficiency Course prior to live firing. Eighty-five percent of the mechanized battalion's assigned primary crews and 85% of the platoon leader alternate M2 crews will have qualified on Table VIII within the past training year. All dismounted infantry squads will have successfully participated in a LFX to standard (ARTEP 7-8 MTP/7-7J MTP/[FM 23-1](#)) within the past training year. All platoons will have successfully completed an external evaluation to ARTEP 7-8 MTP (ARTEP 7-7J) standards within the past training year.

(3) *TRC C Standard.* Fifty percent of assigned BFV crews will qualify on Table VIIIA/B every other training year. Bradley equipped platoons will conduct a platoon EXEVAL in the non-gunners training year.

(4) *TRC D USAR Training Battalion Standard.* All M2 Bradley Fighting Vehicle committee instructors will have certified on the Bradley Gunner Skills Test (BGST), and conducted sustainment crew device based gunnery (Tables I-II) within the past 12 months. Committee instructors will have conducted sustainment live fire training (Table VI-VIII) within the past 36 months.

b. *Bradley Cavalry Fighting Vehicle (M3).* The standards are given below for each TRC. Recommended training strategies and ammunition resources are given in table 5-11 and 5-12 (PGS) for TRC A, table 5-13 for TRC B, table 5-14 for TRC C and table 5-15 for TRC D USAR Training Battalion.

(1) *TRC A Standard.* Eighty-five percent of the assigned crews will have qualified on Bradley Table VIII A/B within the past six months. Eighty-five percent of sections within ACR and divisional cavalry squadrons will have qualified on Bradley Table X A/B within the past six months. NOTE: Cavalry/Scouts units equipped with PGS will be allocated ammunition for only one iteration of BT IX and BT X. The second iteration will be conducted with PGS.

(2) *TRC B Standard.* Sixty-six percent of the assigned scout platoon crews will qualify on Bradley Table VIII A/B once during each training year. Units with MCOFT will conduct MCOFT training (troops average four hours per crew every other month).

(3) *TRC C Standard.* Fifty percent of assigned crews will qualify on Table VIIIA/B every other training year. All sections will participate in an EXEVAL every other training year.

(4) *TRC D USAR Training Battalion.*

(a) *Standard.* All CMF 19D (D3) personnel will participate in Gunnery Training IAW the phased training program outlined below:

(b) *Phase I (SL1 Qualification):* No prior service: Graduates of OSUT (USAARMC); Prior service: Graduates of 19D 10/20 reclassification course.

(c) *Phase II (SL3 Qualification).* CMF 19D (D3) personnel who will graduate from 19D (D3) BNCOC (USAARMC) or from USAR BNCOC and either the Scout Commander's Certification Course (USAARMC) or 19D (D3) SOJT.

(d) *Phase III (Sustainment Training):* Each M3 commander (SL3/4) will participate in the annual sustainment training outlined in table 5-15. Crews for these Bradley

Commanders will be formed from available cadre. Whenever possible, skill level 1 and 2 personnel will be used as crew members, as this training will provide their primary MOS specific gunnery training.; Each M3 commander (SL3/4) will participate in the live fire training outlined in table 5-15 every three years. Crews for these Bradley commanders will be formed from available cadre. Whenever possible, skill level 1 and 2 personnel will be used as crew members, as this training will provide their primary live fire gunnery training.

(e) *Ammunition requirements.* Ammunition requirements for sustainment are based on individual Bradley commanders to be trained. These requirements are given in table 5-15.

c. *Bradley Stinger Fighting Vehicle (BSFV)*

The standards are given for each TRC. Recommended training strategies and ammunition resources are given in table 5-16 and 5-17 for TRC A and table 5-18 for TRC C.

(1). *TRC A:*

(a) *Standard.* Eighty-five percent of the AD battalion's assigned primary BSFV squads must have qualified on Table VIII within the past six months. Sixty-six percent of assigned primary squads must have qualified on Tables IXa and Xa within the past 12 months. The BSFV crew must be qualified by position on the respective AD Gunnery Tables VIII, IXa and Xa as well as MANPADS Table VIII. Eighty-five percent of the assigned BSFV squads must have trained within the past three months to the standards specified in the BSFV ARTEP 44-117-14-DRILL. Sixty-six percent of the assigned squads must have met the qualifications standards of Tables IXa and Xa of [FM 23-1](#), Chapter 14, Bradley Stinger Fighting Vehicle Air Defense Gunnery within the past 12 months. Sixty-six percent of the assigned squads must have received an assessment rating of Trained (T) on the related collective tasks as specified in Chapter 5, ARTEP 44-117-14-MTP within the past 12 months.

(b) *Training Strategy.* The BSFV training strategy is outlined in the Combined Arms Training Strategy Annex of ARTEP 44-177-14-MTP and Tables 5-16, 5-17 and 5-18. BSFV gunnery operations are outlined in the SFV AD Gunnery Manual; Stinger members training strategy is outlined in Chapter 4, Tables 4-2 and 4-3.

Ammunition requirements are one Stinger missile when available per four fire units per year for TRC A units. The total recommended ATWESS cartridges is 10 cartridges per team per LFX and battery or higher level FTX.

(2) *TRC C*

(a) *Standard.* Within the past two training years, sixty six percent of the AD battalion's assigned primary BSFV squads must have qualified on Table VIII (the BSFV crew must be qualified by position on the respective AD Gunnery Table VIII, [FM 23-1](#), and MANPADS Table VIII). Sixty six percent of the assigned BSFV squads must have trained to the standards specified in the BSFV ARTEP 44-117-14- Drill within the past training six months. Within the past training year, sixty six percent of the assigned squads must have received an assessment (rating) of TRAINED (T) on the related collective tasks specified in Chapter 5, ARTEP 44-117-14-MTP.

(b) *Training Strategy.* The BSFV training strategy is outlined in the Combined Arms Training Strategy

Annex of ARTEP 44-177-14-MTP and Tables 5-16, 5-17 and 5-18. BSFV gunnery operations are outlined in the [FM 23-1](#) chapter 14; Stinger training strategy is outlined in Chapter 4, Table 4-4 and 4-5. Ammunition requirements are one Stinger missile per four fire units per year. The total recommended ATWESS is 10 cartridges per team per LFX, and battery or higher level FTX.

NOTE: TRC C BSFV crews will conduct BSFV BT IXa and Xa after mobilization.

d. *Bradley Fire Support Vehicle (BFSV).* Fifty percent of vehicle crews will have qualified on Bradley Table VIIIA/B annually. Crews will conduct training in accordance with table 5-19.

5-6. Programs for anti-armor weapons ([TOW/ITV](#), [Dragon](#), [Javelin](#), [AT-4](#), [LAW](#))

a. *TOW/HMMWV/ITV.* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-20.

(1) *TRC A:* All assigned 11H will have verified tracking skills using the TOW Gunnery Trainer (TGT) within the past four months. Eighty-five percent (85%) of assigned TOW squads will have qualified on Table VIII within the past six months. All TOW platoons must have qualified on Table XII within the past 6 months. Additionally, all TOW platoons will have satisfactorily completed an external evaluation IAW ARTEP 7-91 MTP within the past six months in conjunction with a maneuver company or battalion FTX. Tables will be fired with the TOW Field Tactical Trainer (TFTT). TOW MILES may be used only when the TFTT is not available.

(2) *TRC B:* All assigned 11H will have verified tracking skills using the TOW Gunnery Trainer (TGT) within the past eight months. Seventy-five percent (75%) of assigned TOW squads will have qualified on Table VIII within the past training year. All TOW platoons must have qualified on Table XII within the past training year. Additionally, all TOW platoons will have satisfactorily completed an external evaluation IAW ARTEP 7-91 MTP within the past training year.

(3) *TRC C:* All assigned 11H will have successfully conducted instructional exercises through TOW table V A/B on the TOW GT. Additionally, the crew will participate in section/squad/platoon situational training exercises to standard twice each year.

(4) *TRC D: USAR Training Battalion Standard.* Eighty percent of the TOW committee instructors will have familiarized tracking skills using the TOW gunnery (GT) and TOW FTT or M70 and will have received a GO on all Javelin gunner's skill test task ([FM 23-34](#)) within the past 24 months.

b. *Dragon. (Rifle/Scout/CBT Engr)* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-21.

(1) *TRC A Standard.* Ninety percent of the designated Dragon gunners and assistants will have verified tracking skills by scoring 16 hits of 20 shots in both the standing supported position and the sitting position with Dragon gunnery trainer or LET ([FM 23-24](#)) within the past three months. Each designated Dragon gunner assigned to an infantry squad or larger will have participated in an LFX to standard (ARTEP 7-8 MTP) within the last three months. All designated Dragon gunners will have successfully

participated in a platoon external evaluation to standard (ARTEP 7-8 MTP) as part of a company or higher FTX within the past six months.

(2) *TRC B Standard.* Seventy-five percent of the designated Dragon gunners will have verified tracking skills with the Dragon Gunnery Trainer (FM 23-24) within the past training year. Each designated Dragon gunner, as part of a squad or larger unit, will have participated in an LFX to standard (ARTEP 7-8 MTP) within the past training year. All designated Dragon gunners will have participated in a platoon external evaluation to ARTEP 7-8 MTP standards within the past training year.

(3) *TRC C:* Sixty percent of all gunners will qualify IAW FM 23-24 during the training year. Additionally, all designated gunners will participate in a squad/platoon/company field training exercise/situational training exercise during the training year.

(4) *TRC D USAR Training Battalion Standard.* Eighty percent of the assigned Dragon committee instructors will have verified tracking skills using the Dragon Gunnery Trainer (PGTS) (FM 23-24) within the past 12 months. Eighty percent of the assigned drill sergeants involved in Dragon training will have verified tracking skills within the past 24 months.

c. *Javelin (Rifle/Scout/CBT Engr).* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in Table 5-22.

(1) *TRC A Standard.* Ninety percent of the designated Javelin gunners and assistants will have verified Javelin gunnery by scoring 75% on each BST sustainment Javelin exercise (FM 23-XX) within the past three months. Each designated Javelin gunner assigned to an infantry squad or larger will have participated in a LFX to standard (ARTEP 7-8 MTP) within the last three months. All designated Javelin gunners will have successfully participated in a platoon external evaluation to standard (ARTEP 7-8 MTP) as part of a company or higher FTX within the past six months. All designated Javelin gunners will have received a GO on all Gunner Skill Test tasks (FM 23-XX) within the past six months.

(2) *TRC B Standard.* Seventy-five percent of the designated Javelin gunners will have verified lock-on and tracking skills with the BST (FM 23-XX) within the past training year. Each designated Javelin gunner, as part of a squad or larger unit, will have participated in a LFX to standard (ARTEP 7-8 MTP) within the past training year. All designated Javelin gunners will have participated in a platoon external evaluation to ARTEP 7-8 MTP standards within the past training year. All designated Javelin gunners will have received a GO on all Gunner Skill Test Tasks (FM 23-XX) within the past training year.

(3) *TRC C.* Sixty percent of all gunners will qualify IAW FM 23-XX during the training year. Additionally, all designated gunners will participate in a squad/platoon/company field training exercise/situational training exercise during the training year.

(4) *TRC D USAR Training Battalion Standard.* Eighty percent of the assigned Javelin committee instructors will have verified lock-on and tracking skills using the Javelin BST (FM 23-XX) within the past 12 months. Eighty percent of the assigned drill sergeants involved in Javelin training

will have verified lock-on and tracking skills within the past 24 months.

d. *AT-4 (Cat I).* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-23. The Light Antitank Weapon (LAW) may be substituted for AT-4 only if ammunition, subcaliber devices or ranges are not available to support AT-4.

(1) *TRC A Standard.* Three soldiers per rifle squad and two per scout squad will have met the individual requirements to standard by successfully engaging 9 of 14 targets with the 9mm tracer trainer (Tables III and IV of appendix B, FM 23-25) within the past six months. Each designated gunner, as part of a squad or larger unit, will have participated in a LFX to standard (ARTEP 7-8 MTP/7-92 MTP) within the past three months. All designated gunners will have successfully participated in a platoon external evaluation to standard (ARTEP 7-8 MTP) as part of a company or higher FTX within the past six months.

(2) *TRC B Standard.* Two soldiers per rifle squad and two per scout squad will have met the individual requirements to standard by successfully engaging 9 of 14 targets with the 9mm tracer trainer (Tables III and IV of appendix B, FM 23-25) within the past training year. Each designated gunner, as part of a squad or larger unit will have participated in a LFX to standard (ARTEP 7-8 MTP/7-92 MTP) within the past training year.

(3) *TRC C Standard.* Two soldiers per rifle squad and two per scout squad will have successfully completed tables I-III (qualification) within the past training year. Each designated gunner, as part of a squad or larger unit will have participated in a squad/platoon/company FTX/STX and an EXEVAL at some level within the past training year.

e. *AT-4 (CAT II).* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-24. LAW may be substituted for AT-4 if ammunition, subcaliber devices or ranges are not available to support AT-4.

(1). *TRC A Standard.* Ten percent of the assigned soldiers (SGT and below) will have met the individual requirements to standard by successfully engaging six of eight targets with the 9mm tracer trainer (Table III of Appendix B, FM 23-25) within the past 12 months.

(2) *TRC B Standard.* Ten percent of the assigned soldiers (SGT and below) will have met the individual requirements by successfully engaging six of eight targets with the 9mm tracer trainer (Table III of Appendix B, FM 23-25) within the past two training years.

(3) *TRC C Standard:* No training requirement.

(4) *TRC D USAR Training Battalion Standard.* Eighty percent of the assigned AT-4 Committee Instructors will have fired the 9mm tracer trainer (Tables I and III of appendix B, FM 23-25, within the past 12 months. Eighty percent of the assigned Drill Sergeants will have fired the tracer trainer (Table I of appendix B, FM 23-25) within the past 24 months. Only in cases where the AT-4 is not available will the M-72 law be used in training. All law training is considered to be instructional firing IAW Table 5-24.

5-7. Programs for mortars (60mm, 81mm, 107mm and 120mm) Mortars. The standards by TRC are given below. Recommended training strategies and ammunition resources

are given in: Table 5-25, 60mm; Table 5-26, 81mm; Table 5-27, 107mm; Table 5-28, 120mm.

a. *TRC A Standard.* Ninety percent of all squad leaders, gunners and assistant gunners will have passed the mortar gunner's exam with a minimum score of 70 percent in each event (FM 23-90). Ninety percent of all section leaders, squad leaders and FDC personnel will have passed the FDC exam ([FM 23-91](#)) within the past six months. All mortar sections/platoons will have successfully completed an external evaluation to ARTEP 7-90 MTP and ARTEP 7-90-Drill standards as part of a company/battalion FTX within the past six months.

b. *TRC B Standard.* Ninety percent of all squad leaders, gunners and assistant gunners will have passed the mortar gunner's exam (FM 23-90) and 90 percent of all section leaders, squad leaders and FDC personnel will have passed the FDC exam ([FM 23-91](#)) within the past training year. All mortar sections will have successfully completed an external evaluation to ARTEP 7-90 MTP and ARTEP 7-90-Drill standards in conjunction with an FTX within the past training year.

c. *TRC C Standard.* Eighty percent of all squad leaders, gunners and assistant gunners will have passed the mortar gunner's exam (FM 23-90) and 80 percent of all section leaders, squad leaders and FDC personnel will have passed the FDC exam ([FM 23-91](#)) within the past training year. All mortar sections will have successfully completed an external evaluation using the SRTR within the past training year.

d. *TRC D USAR Training Battalion Standard.* Eighty percent of the assigned Mortar Gunnery Committee Instructors and 11C Drill Sergeants will have passed the mortar gunner's exam ([FM 23-91](#)), the FDC Exam (FM 23-91) and fired one live round within the past 12 months.

5-8. Programs for machine guns (M60/M240B MMG /M249LMG /M2HB .50 Caliber HMG)

a. *M60/M240B MMG (CAT I).* The standards by TRC are given below. Recommended training strategies and ammunition resources are provided in Table 5-29. Field Manuals: M60 MMG - FM 23-67; NBC firing/qualification has been integrated into other training/qualification events.

(1) *TRC A Standard.* Ninety percent of the assigned machine gunners will have met the individual requirements to standard within the past six months; assistant machine gunners within the past year. Individual requirements consist of qualifying on the record courses IAW appropriate FM. Record courses include 10 meter, transition and night transition. Each assigned machine gunner, as part of a squad or larger unit, will have participated in a LFX to standard (ARTEP 7-8 MTP) within the past three months. All assigned machine gunners will have successfully participated in a platoon external evaluation to standard (ARTEP 7-8 MTP) as part of a company or higher FTX within the past six months.

(2) *TRC B Standard.* Eighty percent of the assigned machine gunners will have met the individual requirement within the past training year. Individual requirements consist of 10 meter record, transition record, and night record. Eighty percent of the assigned assistant gunners will have met the individual requirements within the past two training years. Each assigned machine gunner, as part of a squad or larger unit, will have participated in an LFX to standard

(ARTEP 7-8 MTP) within the past training year. All assigned machine gunners will have participated in a platoon external evaluation to standard (ARTEP 7-8 MTP) within the past two training years. TRC C Commanders may defer night fire to post mobilization training for units without appropriate night vision equipment and/or access to night fire ranges.

(3) *TRC C Standard.* Eighty percent of assigned machine gunners will have qualified on the 10M exercise within the past training year. Designated assistant gunners will qualify on the 10M exercise every other training year.

b. *M60/M240B(MMG) /M249(LMG) (CAT II):* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in Table 5-30.

(1) *TRC A Standard.* Ninety percent of the assigned machine gunners will have met the individual requirements to standard with the machine gun within the past 12 months. Individual requirements consist of qualifying on the record courses IAW appropriate FM. Record courses include 10 meter, transition and night transition. Ninety percent of the assigned assistant machine gunners will fire 10 meter to standard annually and fire all qualification requirements every two years.

(2) *TRC B Standard.* Eighty percent of the assigned machine gunners will have qualified on the 10 meter qualification course during the past training year and will complete all record fire requirements within the past two training years. The assigned gunners/assistant gunners will have participated in a company FTX to standard within the past two training years. Assistant machine gunners will fire complete qualification requirements during post mobilization training.

(3) *TRC C Standard.* Eighty percent of the assigned gunners will have qualified on the 10 meter qualification course during the past training year.

(4) *TRC D USAR Training Battalion Standard.* Eighty percent of the assigned Committee Instructors will have qualified on the record (10-meter) course and transition course within the past 12 months and fired for record on the night record course within the past 24 months. Eighty percent of the assigned Drill Sergeants will have completed instructional firing (transition fire) with the MG within the past 24 months.

c. *M2HB .50 Caliber Heavy Machine gun CAT I:* The standards by TRC are given below. Recommended training strategies and ammunition resources are provided in Table 5-32. Individual requirements for M2HB .50 Caliber HMG are found in [FM 23-65](#). NBC firing/qualification has been integrated into other training/qualification events. In the machine gun tables, NBC is integrated into 10 meter, transition and night events.

(1) *TRC A Standard.* Ninety percent of the assigned machine gunners will have met the individual requirements to standards within the past 12 months. Ninety percent of the assigned assistant gunners will have fired the 10 meter record within the past 12 months and completed all record fire requirements to standard within the past 24 months. Each assigned machine gun crew will have participated in an LFX to standard (ARTEP 7-8 MTP) within the past six months. All assigned machine gun crews will have successfully participated in a platoon external evaluation to standards within the past 12 months.

(2) *TRC ENG Standard.* Ninety percent of the assigned machine gunners will have met the individual requirements to standards within the past 12 months. Ninety percent of the assigned assistant gunners will have fired the 10 meter record within the past 12 months and completed all record fire requirements to standard within the past 24 months.

(3) *TRC B Standard.* Same as M60/M240B MMG, para 5-8, a, (2).

(4) *TRC C Standard.* Same as the M60/M240B MMG, Para 5-8, a, (3)

d. *M2HB .50 Caliber HMG, CAT II.* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in Table 5-33.

(1) *TRC A Standard.* Three personnel will fire the transition record course as instructional fire annually. The primary gunner will fire the transition/zero/practice annually. The primary crew (gunner and assistant gunner) plus one additional gunner will fire transition/record fire annually. The primary crew should fire all events in Table 5-33 upon deployment notification.

(2) *TRC B Standard.* One person will fire the 10 meter practice and record courses as instructional fire within the past training year.

(3) *TRC C Standard.* One person will fire the 10 meter practice and record courses as instructional fire within the past training year.

e. *MK-19 Grenade Machine gun (CAT I).* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-34. NBC firing is integrated into other training and qualification events.

(1) *TRC A Standard.* Ninety percent of the assigned MK-19 GMG gunners will have met the individual requirements to standard with the MK-19 GMG within the past six months, and 90 percent of the assistant gunners will have met the individual requirements to standard with the MK-19 GMG within the past 12 months. Individual requirements for the gunner consist of firing the transition and night record events ([FM 23-27](#)). The assistant gunners will fire transition record ([FM 23-27](#)). Each assigned MK-19 GMG gunner, as part of a squad or larger unit, will have participated in a LFX to standard (ARTEP 7-8 MTP and [FM 23-27](#)) within the past three months. All assigned MK-19 GMG gunners will have successfully participated in a platoon external evaluation to standard (ARTEP 7-8 MTP) as part of a company or battalion FTX within the past six months.

(2) *TRC MP Standard.* 90% of military police MK-19 gunners will qualify with the MK-19 within the past six months. Assistant gunners will qualify within the past 12 months.

(3) *TRC B Standard.* Eighty percent of the assigned MK-19 GMG gunners will have met the individual requirements to standard with the MK-19 GMG within the past training year. Eighty percent of the assigned assistant gunners will have met the individual requirements to standard with the MK-19 GMG within the past two training years. Individual requirements for the gunner consist of firing the transition and night record events ([FM 23-27](#)). The assistant gunners will fire transition record ([FM 23-27](#)). Each assigned MK-19 GMG gunner, as part of a squad or larger unit, will have

participated in a LFX to standard (ARTEP 7-8 MTP) within the past training year.

(4) *TRC C Standard.* Seventy percent of assigned MK-19 gunners will qualify on the transition record course within the past training year.

f. *MK-19 Grenade Machine gun (Cat II).* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-35.

(1) *TRC A Standard.* Ninety percent of the assigned MK-19 GMG gunners will have met the individual requirements to standard with the MK-19 GMG within the past 12 months. Individual requirements consist of firing the transition record every year and night record every other year ([FM 23-27](#)). The assistant gunners will fire transition record fire ([FM 23-27](#)) every other year.

(2) *TRC B Standard.* Eighty percent of the assigned MK-19 GMG gunners will confirm zero/transition practice within the past training year. Gunners will qualify fully every two training years. Assistant gunners will fire T1 as instructional fire every two training years.

(3) *TRC C Standard.* Seventy percent of the assigned MK-19 GMG gunners will fire the transition practice course for instructional purposes within the past training year.

(4) *TRC D USAR Training Battalion Standard.* Eighty percent of the assigned MK-19 GMG Committee Instructors will have completed zero/transition practice ([FM 23-27](#)) within the past 12 months and transition/night events within the past 24 months. Eighty percent of the Drill Sergeants will have completed transition/night events ([FM 23-27](#)) within the past 24 months.

g. *M249 Automatic Rifle (AR) (Cat I).* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-36. NBC firing is integrated into other training and qualification events.

(1) *TRC A Standard.* Ninety percent of the assigned M249 AR gunners will have met the individual requirements to standard with the AR within the past six months. Individual requirements consist of qualifying on the three record courses ([FM 23-14](#)). (Record courses include 10-meter, transition and night transition). Each assigned AR gunner, as part of a rifle/scout squad or larger unit, will have participated in an LFX to standard (ARTEP 7-8 MTP) within the past three months. All assigned gunners will have successfully participated in a platoon external evaluation to ARTEP 7-8 MTP standard as part of a company or battalion FTX within the past six months.

(2) *TRC B Standard.* Eighty percent of the assigned M249 AR gunners will have met the individual requirements to standard within the past training year. Individual requirements consist of qualifying on the record courses ([FM 23-14](#)). Record courses include 10-meter, transition and night transition. Each assigned gunner, as part of a squad or larger unit, will have participated in a LFX to standard (ARTEP 7-8 MTP) within the past training year. All assigned gunners will have successfully participated in a platoon external evaluation to ARTEP 7-8 MTP standards within the past two training years.

(3). *TRC C Standard.* Seventy percent of assigned M249 AR gunners will have qualified on the 10 meter and transition record courses within the past year. Additionally, gunners will have participated in at least one squad/platoon/company FTX/STX within the past training

year and an EXEVAL (ARTEP) within the past two training years.

h. M249 AR (Cat II). The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-37.

(1) *TRC A Standard.* Ninety percent of the assigned M249 AR gunners will have met the individual requirements to standard with the AR within the past 12 months. Individual requirements consist of qualifying on the record courses (FM 23-14). Record courses include 10-meter, transition and night transition.

(2) *TRC B Standard.* Eighty percent of the assigned AR gunners will have qualified on the 10 meter record course (FM 23-14) within the past training year. Transition and night transition record will be fired once every two training years.

(3) *TRC C Standard.* Seventy percent of assigned gunners will conduct instructional firing on the 10 meter and transition courses within the past training year.

(4) *TRC D USAR Battalion Standard.* Eighty percent of the assigned Committee Instructors will have met the individual requirements to standard with the M249 AR within the past 12 months. Individual requirements consist of qualifying on the 10-meter and transition range courses (FM 23-14). In addition, firing night record to standard (FM 23-14) will have been completed within the past 24 months. Eighty percent of the assigned Drill Sergeants will have conducted instructional firing (10-meter) with the M249 AR within the past 24 months.

i. U.S. Army Criminal Investigation Command (CIC) Standard for H & K MP5 Submachine gun (9mm). Ninety percent of the special agents assigned to the Protective Services Unit will have met the individual requirements to standard with the MP5 within the past three months. Individual requirements consist of qualifying on the CID Protective Service qualification course (CID Regulation 195-19) once each quarter. The recommended training strategy and ammunition resources are given in Table 5-52.

5-9. Programs for small arms

a. M16A1/A2 Rifle/M4 Carbine (Cat I). The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-38. All standards apply to the M16A1/A2, the M203 (rifle) and the M4 carbine.

(1) *TRC A Standard.* Ninety percent of the soldiers assigned a rifle will have met the individual requirements to standard within the past six months. Individual requirements consist of qualifying on the day record fire course, NBC and the night record course to standard (FM 23-9). Each rifle/scout squad, individually or as part of a larger unit, will have participated in an LFX to standard (ARTEP 7-8 and 7-7J or 7-92 MTP) within the past three months. All infantry rifle platoons will have successfully completed an external evaluation to ARTEP 7-8 MTP or 7-7J MTP standards while participating in a company or battalion FTX within the past six months.

(2) *TRC B Standard.* Eighty percent of the soldiers assigned a rifle will have met the individual annual requirement to standard for the rifle within the past training year. The annual requirement consist of qualifying on the day record fire course (FM 23-9), NBC and the night record fire course. Each rifle/scout squad, individually or as part of a larger unit, will have participated in an LFX to standard

(ARTEP 7-8, 7-7J or 7-92 MTP) within the past training year. All infantry rifle platoons will have successfully completed an external evaluation to ARTEP 7-8 MTP standards within the past two training years.

(3) *TRC C Standard.* Seventy percent of the soldiers assigned a rifle will have successfully completed record qualification, NBC qualification and night qualification requirements within the past training year. Additionally, they will have participated in a squad/platoon/company FTX/STX within the past training year and an EXEVAL (ARTEP) within the past two training years.

b. M16A1/A2 and M4 Carbine (Cat II). The standards by TRC and Special Reaction Teams are given below. Recommended training strategies and ammunition resources are given in table 5-39.

(1) *TRC A Standard.* Ninety percent of the soldiers assigned a rifle will have met the annual requirement for the rifle to standard within the past 12 months. The annual qualification consists of the day record fire course, NBC and the night record fire course (FM 23-9). Additionally, platoons will have successfully completed an external evaluation (ARTEP) within the past 12 months.

(2) *Special Reaction Team (SRT) Standard.* Ninety percent of the personnel assigned a rifle will have met the individual requirements to standard for the rifle within the past 12 months. Individual requirements consist of qualifying on the day record fire course (FM 23-9) twice each training year. Firing in MOPP 4 protective clothing to standard (FM 23-9) will be accomplished once each training year.

(3) *TRC B Standard.* Eighty percent of the soldiers assigned a rifle will have met the following requirements for each training year: Verifying zero, shooting the day practice and qualifying on the record course. The NBC record course will be fired to standard (FM 23-9) once every other training year. All soldiers will have participated in a squad/platoon/company FTX/STX. All platoons will participate in a company FTX after mobilization.

(4) *TRC C Standard.* Eighty percent of the soldiers assigned a rifle will have met the following requirements for each training year: Verifying zero, shooting the day practice and qualifying on the record course. NBC and Night fire will be fired after mobilization.

(5) *TRC D USAR Training Battalion Standard.* Eighty percent of the assigned Committee Instructors and Drill Sergeants responsible for teaching or supervising rifle marksmanship training will have met the individual requirements to standard for the M16 rifle within the past 12 months. Individual requirements consist of qualifying on the day record fire course (FM 23-9). The NBC record course and firing night record will be conducted every two years.

c. M21/24 Sniper Rifle. The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-40.

(1) *TRC A Standard.* All soldiers assigned an M21/24 sniper rifle will zero with iron sights and scope monthly and will fire qualification and night fire quarterly. Each TRC A sniper team, as part of a larger unit, will have participated in an LFX within the past three months. All TRC A sniper teams will have successfully completed an external evaluation to ARTEP 7-92 MTP standards while participating in a company or battalion FTX within the past 12 months.

(2) *TRC S Standard.* All soldiers assigned an M21/24 sniper rifle will zero with iron sights and scope monthly and will fire qualification and night fire every two months.

(3) *TRC B/C Standard.* All soldiers assigned an M21/24 sniper rifle will zero with iron sights and scope quarterly and fire qualification and night fire within the past four months. Each sniper team, as part of a larger unit, will have participated in an LFX to standard (ARTEP 7-92 MTP) within the past training year. All sniper teams will have successfully completed an external evaluation to ARTEP 7-92 MTP standards within the past training year.

d. *M3A1 SMG.* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-42.

(1) *TRC A Standard.* Ninety percent of the soldiers assigned an M3A1 SMG will have conducted instructional firing (FM 23-41) within the past 12 months.

(2) *TRC B/C Standard.* Eighty percent of the soldiers assigned an M3A1 SMG will have conducted instructional firing (FM 23-41) within the past training year.

e. *M203 Grenade Launcher (GL) (Cat I).* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-43. This strategy applies to the grenade launcher only. All soldiers assigned this weapon must also meet M16 requirements. NBC firing is integrated with other training events.

(1) *TRC A Standard.* Ninety percent of the soldiers assigned an M203 GL will have met the individual requirements to standard with the weapon within the past six months. Individual requirements consist of qualifying to standard (FM 23-31). Each infantry/scout squad will have participated in a squad or platoon LFX to standard (ARTEP 7-8 MTP) within the past three months. All infantry rifle platoons will have successfully completed an external evaluation to ARTEP 7-8 MTP standards while participating in a company or battalion FTX within the past 12 months.

(2) *TRC B/C Standard.* Eighty percent of the soldiers assigned an M203 GL will have met the individual requirements to standard with the weapon within the past training year. Individual requirements consist of qualifying IAW FM 23-31. Each rifle/scout squad will have participated in a squad or platoon LFX to standard (ARTEP 7-8 MTP) within the past training year. All infantry rifle platoons will have successfully completed an external evaluation to ARTEP 7-8 MTP standards within the past two training years.

f. *M203 Grenade Launcher (Cat II).* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-44.

(1) *TRC A/S Standard.* Ninety percent of the TRC A/S soldiers assigned an M203 GL will have met the individual requirements to standard within the past twelve months. Additionally, all TRC A soldiers will have conducted a live fire exercise within the past twelve months. Individual requirements consist of qualifying IAW FM 23-31.

(2) *TRC B Standard.* Eighty percent of the soldiers assigned an M203 GL will have zeroed both the leaf and quadrant sights and have met the individual requirements to standard with the weapon within the past two training years. Individual requirements consist of qualifying IAW FM 23-31.

(3) *TRC C Standard.* Eighty percent of the soldiers assigned an M203 GL will have zeroed both the leaf and

quadrant sights annually. Individuals will qualify post mobilization IAW FM 23-31.

(4) *TRC D USAR Training Battalion Standard.* Eighty percent of the assigned M203 GL Committee Instructors and Drill Sergeants will have met the individual requirements to standard for the M203 within the past 24 months. Individual requirements consist of qualifying IAW FM 23-31. In addition, these soldiers will have qualified in MOPP 4 protective clothing within the past 24 months.

g. *Pistols (M1911A1/M9/.38 Cal)* The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-45. NBC and night firing is integrated into the basic qualification requirements.

(1) *TRC A Standard.* Ninety percent of the soldiers assigned a pistol will have met the individual requirements to standard with the weapon within the past 12 months. Individual requirements consist of qualifying on the Combat Pistol Qualification Course (FM 23-35).

(2) *TRC B/C Standard.* Eighty percent of the soldiers assigned a pistol will have met the individual requirements to standard with the weapon within the training year. Individual requirements consist of qualifying on the Combat Pistol Qualification Course (FM 23-35).

(3) *TRC D USAR Training Battalion Standard.* Eighty percent of the assigned Pistol Committee Instructors and Drill Sergeants will have met the individual requirements to standard with the pistol within the past 12 months. Individual requirements consist of qualifying on the Combat Pistol Qualification Course (FM 23-35).

h. *Military Police, US Army CID and Special Reaction Team Standard for Pistols and Revolvers.* The standards by TRC and SRT are given below. Recommended training strategies and ammunition resources are given in table 5-46.

(1) *TRC A Standard.* Ninety percent of the Military Police assigned a pistol or revolver will have met the individual requirements to standard with the weapon within the past 12 months. Individual requirements consist of qualifying on the MP firearms qualification course (FM 19-10) at least once within the past 12 months. The second qualification will be on either the MP firearms qualification course (FM 19-10) or the combat pistol qualification course (FM 23-35) as determined by the unit commander. Additionally, each soldier will have fired the Military Police Night Firearms Sustainment Course (MPNFSC) within the past 12 months to standard and will have fired in MOPP 4 to standard (FM 23-35).

(2) *SRT Standard.* Ninety percent of the soldiers assigned a pistol or revolver will have met the individual requirements to standard with the weapon within the past three months. Individual requirements consist of qualifying on the MP firearms qualification course (FM 19-10), firing the military police night firearms sustainment course, and firing in MOPP 4 protective clothing/protecting mask to standard.

(3) *TRC B/C Standard.* Eighty percent of the Military Police assigned a pistol or revolver will have met the individual requirements to standard with the weapon within the past training year. Individual requirements consist of qualifying on the MP firearms qualification course (FM 19-10) and firing the military police night firearms sustainment course within the past training year.

(4) *TRC D USAR Training Battalion Standard*. Eighty percent of the assigned Committee Instructors and Drill Sergeants will have met the individual requirements to standard with the pistol/revolver within the past 12 months. Individual requirements consist of qualifying on the MP firearms qualification course (FM 19-10) annually and firing the night firearms sustainment course within the past 24 months. All other soldiers will have completed this program within the past 24 months.

i. *CID Standard*: Ninety percent of special agents will have met the individual requirements to standard within the past three months. Individual requirements consist of qualifying on the CID special agent qualification course each quarter. See table 5-46 and CID Reg 195-19. Agents will have fired the night course within the past 12 months.

j. *Hand Grenade (Cat I)*. The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-47.

(1) *TRC A Standard*. Ninety percent of all soldiers assigned to rifle/scout squads will have thrown one live fragmentation hand grenade (FHG) within the past 12 months, have successfully negotiated the grenade course ([FM 23-30](#)) within the last six months and conducted practice grenade throwing in conjunction with a squad or platoon LFX within the past three months.

(2) *TRC B/C Standard*. Eighty percent of all soldiers assigned to rifle/infantry scout squads will have successfully negotiated the grenade course ([FM 23-30](#)) and conducted practice grenade throwing in conjunction with a squad or platoon LFX within the past training year. A live hand grenade will be thrown once every two training years.

k. *Hand Grenade (Cat II)*. The standards by TRC and SRT are given below. Recommended training strategies and ammunition resources are given in table 5-48.

(1) *TRC A Standard*. Ninety percent of all soldiers assigned to Combat, CS and CSS sections or platoons will have successfully negotiated the grenade course ([FM 23-30](#)) within the past twelve months. Ninety percent of all soldiers assigned will have thrown one live fragmentation hand grenade (FHG) within the past 24 months.

(2) *SRT Standard*. Ninety percent of all soldiers assigned to a Special Reaction Team will have successfully negotiated the grenade course ([FM 23-30](#)) within the past three months.

(3) *TRC B/C Standard*. Soldiers will qualify on the hand grenade course post-mobilization.

(4) *TRC D USAR Training Battalion Standard*. Soldiers will qualify on the grenade course after mobilization.

l. *M18A1/A2 Claymore Mine (Cat I Rifle/Scout/CBT Eng)*. The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-49.

(1) *TRC A Standard*. Ninety percent of the assigned soldiers will have emplaced, armed and disarmed an inert claymore mine to standard IAW STP 21-1 and Soldiers Manual of Common Tasks (SMCT) within the past three months. Each squad will have emplaced, armed and fired one live claymore mine during a squad or platoon LFX to standard (ARTEP 7-8 MTP) within the past three months.

(2) *TRC B/C Standard*. Eighty percent of the assigned soldiers will have emplaced, armed and disarmed an inert claymore mine to standard IAW STP 21-1 and SMCT within

the past six months. Each squad will have emplaced, armed and fired one live claymore mine during a squad or platoon LFX to standard (ARTEP 7-8 MTP) within the past training year.

m. *M18A1/A2 Claymore Mine (Cat II, Combat Arms, Combat Support/Service Support)*. The standards by TRC are given below. Recommended training strategies and ammunition resources are given in table 5-50.

(1) *TRC A Standard*. Ninety percent of the assigned soldiers will have emplaced, armed and disarmed an inert claymore mine to standard IAW STP 21-1 and SMCT within the past six months.

(2) *TRC B/C Standard*. Eighty percent of the assigned personnel will have emplaced, armed and disarmed one inert claymore mine IAW STP 21-1 and SMCT within the past training year.

(3) *TRC D USAR Training Battalion Standard*. Eighty percent of the assigned M18A1/A2 claymore mine Committee Instructors will have emplaced, armed and disarmed one inert claymore mine IAW [STP 21-1](#) and SMCT within the past 12 months.

n. *M1200 Shotgun Standard*. The standards by TRC and SRT are given below. The recommended training strategies and ammunition resources are given in table 5-51

(1) *TRC A Standard*. Ninety percent of the soldiers and personnel assigned a shotgun will have met the individual requirements to standard with the weapon within the past 12 months. Individual requirements consist of those task identified in STP 19-95B1-SM Mar 91.

(2) *SRT Standard*. Ninety percent of the soldiers assigned a shotgun will have met the individual requirements to standard with the weapon within the past three months. Individual requirements consist of qualifying on the Military Police 12-Gauge Shotgun Qualification Course (FM 19-10).

(3) *TRC B/C Standard*. Eighty percent of the soldiers assigned a shotgun will have met the individual requirements to standard with the weapon within the past training year

(4) *TRC D USAR Training Battalion Standard*. Eighty percent of the assigned shotgun committee instructors will have conducted instructional fire and successfully qualified on the Military Police 12-Gauge Shotgun Qualification Course (FM 19-10) within the past 12 months.

o. *M82A1 Sniper Rifle Standard*

(1). *TRC A Standard*. Seventy-five percent of all engineer personnel assigned the M82A1 sniper rifle will qualify every six months IAW table 5-41..

p. *Fox Reconnaissance Vehicle-M240G MMG Standard*. Eighty percent of assigned Fox crews will qualify IAW Master Fox Scout Tables XI and XII every 12 months. The recommended strategy is given in table 5-31.

5-10. Programs for Tables of Distribution and Allowances (TDA) Units.

a. *Standard*. Active Component (AC) TDA units with personnel assigned/designated individual weapons will use weapons standards for Category II, TRC A. Reserve Component (RC) TDA units with personnel assigned/designated individual weapons will use weapon standards for Category II, TRC C. Personnel assigned/designated pistols and revolvers in AC and RC TDA units will use weapons standards for TRC A and C, respectively.

b. Exemptions.

(1) Personnel in TDA units who are in positions that are not assigned individual weapons are exempt from weapons qualification in accordance with AR 350-41, paragraph 3-4e(1)(d).

(2) EUSA Joint Security Area (JSA) TDA weapons are Classified as Category I, TRC A. (except 9mm Pistols for JSA are TRC S).

Table 5-3

Infantry Weapons Systems Training Index

Weapon	Paragraph	Table
BFV M2	5-5	5-6, 5-8, 5-9, 5-10
BFV M2 w/PGS	5-5	5-7
CFV M3	5-5	5-11, 5-13, 5-14, 5-15
C FV M3 w/PGS	5-5	5-12
BSFV M2	5-5	5-16, 5-18
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Dragon	5-6	5-21
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AT-4	5-6	5-23, 5-24
60mm Mortar	5-7	5-25
81mm Mortar	5-7	5-26
107mm Mortar	5-7	5-27
120mm Mortar	5-7	5-28
Machine gun M60 /M240B (CAT I, II)	5-8	5-29, 5-30
Fox M240 (CAT II)	5-8	5-31
Machine gun M2HB (CAT I, II)	5-8	5-32, 5-33
Machine gun MK19 (CAT I, II)	5-8	5-34, 5-35
M249 Automatic Rifle (AR)	5-8	5-36
M249 Light Machine Gun (LMG)	5-8	5-30
Rifle (M16A1/A2) Carbine (M4A1)	5-9	5-38, 5-39
M21/M24 Sniper Rifle	5-9	5-40
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Pistols (M1911A1, M9, .38 Cal Revolver)	5-9	5-45, 5-46
Hand Grenade (CAT I, II)	5-9	5-47, 5-48
Claymore Mine (M18A1/A2) (CAT I, II)	5-9	5-49, 5-50
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	6-32, 6-33, 6-34	

Table 5-4

**CS/CSS Weapons
System Training****Index**

Weapon	Paragraph	Table
AT-4 (includes LAW)	5-6	5-23, 5-24
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Machine Gun (M240) (Fox) (CAT II)	5-8	5-31
Machine Gun (M2HB) (CAT II)	5-8	5-33
Machine Gun (MK19) (CAT II)	5-8	5-35
M249 LMG (CAT II)	5-8	5-30
Rifle (M16A1/A2) Carbine (M4A1) (CAT II)	5-9	5-39
Sniper Rifle M82A1	5-9	5-41
M3A1 SMG	5-9	5-42
Grenade Launcher (M203) (CAT II)	5-9	5-44
Pistols (M1911A1, M9, .38 Cal Revolver)	5-9	5-45,
MP/CID/SRT Pistol	5-9	5-46
Hand Grenades (M228) (CAT II)	5-9	5-48
Claymore Mines (M18A1/A2) (CAT I, II)	5-9	5-49, 5-50
M1200 Shotgun	5-9	5-51
H & K MP5 SMG 9mm	5-9	5-52
Mines (Other)	6-23	6-57, 6-58

Table 5-5.
Cross reference table.

Weapon Systems	TRC A	SPECIAL REQUIREMENT	TRC B	TRC C	TRC D
BFV M2 Para 5-5 a. Tables 5-6, 5-7, 5-8, 5-9, 5-10	o 85% Primary crews must qualify BT VIII A/B within the last 6 months o 75% of rifle platoons must qualify XII within the last 6 months	N/A	o 85% Primary crews must qualify VIII within the last 6 months	o 50% of assigned BFV qualify on VIII A/B every other year	o Live fire VI-VIII with past 36 months
CFV M3 Para 5-5 b. Table 5-11,5-12,5-13,5-14,5-15	o 85% of crews will qualify BT VIII A/B two times per year. o BT X A/B twice/ year; 66% Scouts will qualify, 85% ACR/Divisional Cav will qualify	N/A	o Crews will conduct BT VIII A/B once year; 66% Scouts will qualify o BT V twice per training year	o 50% crew BT VIII A/B every other year. o Section EXEVAL once every two years.	19D participate in phase training as outlined in paragraph 5-5b(4).
BSFV M2/M3 Para 5-5 c. Table 5-16,5-17,5-18	o 85% Primary crews must qualify BT VIII A/B once a year. o 66% of Stinger sections will qualify on BT XA once a year;	N/A	O No TRC B units.	o Crews will conduct BT VIII every other year o Stinger sections will conduct BT XA after mobilization.	No TRC D units
BFSV Para 5-5 d. Table 5-19	o 50% of crews will qualify BT VIII A/B annually.	N/A	No TRC B units	No TRC C units	No TRC D units
TOW/HMMWV/ITV Para 5-6 a. Table 5-20	o All 11H will verify tracking skills using TGT within past 4 months. o 85% will qualify on VIII within past 6 months. o All platoons must qualify XII within past 6 months.	N/A	o All 11H will verify tracking skills using TGT within past 8 months. o 75% will qualify on VIII within past training year. o All platoons must qualify XII within past training year.	o All assigned 11H will successfully conduct instructional exercises through TOW V A/B. o All crews will participate in situational training 2 times a year.	o 80% must receive a 'GO' within past 24 months on familiarization skills using the TGT and FIT or M70.
Dragon Para 5-6 b. Table 5-21	o 90% of gunners and assistants will score 16 of 20 hits (80%) in both standing and sitting positions using LET within the past 3 months. o Infantry squad Dragon gunner will live fire within last 3 months. o All Dragon gunners will participate in Company or higher LFX within past 6 months.	N/A.	o 75% will verify tracking skills using DGT within past training year. o All Dragon gunners will participate in LFX within past training year. o All Dragon gunners will participate in platoon EXEVAL within past training year.	o 60% of all gunners will qualify during the training year.	o 80% of instructors will have verified tracking skills using PGTS within past 12 months. o 80% of Drill Sergeants will have verified tracking skills within past 24 months.

Javelin Para 5-6c Table 5-22	<ul style="list-style-type: none"> o 90% of assigned gunners/assistants verified gunnery by scoring 75% on BST sustainment Javelin exercise within the past three months o Gunners assigned to Infantry squad or larger must have participated in LFX in last three months. o all gunners participate in Platoon EXEVAL within six months o all gunners receive GO on all gunners skill tests within six months 	N/A	<ul style="list-style-type: none"> o 75% gunners verified lock-on and tracking with BST within past training year. o Gunners assigned to Infantry squad or larger must have participated in LFX in past training year o all gunners participate in Platoon EXEVAL within past training year o all gunners receive GO on all gunners skill tests within the past training year 	<ul style="list-style-type: none"> o 60% will qualify during training year o gunners participate in FTX and STX during training year 	<ul style="list-style-type: none"> o 80% of assigned Javelin committee instructors verified lock-on and tracking with BST within past 12 months o 80% of DS involved in training verified lock-on and tracking with BST within past 24 months
AT-4 (CAT I) Para 5-6 d. Table 5-23	<ul style="list-style-type: none"> o Must successfully engage 9 of 14 targets (Table III & IV) within the last 6 months using 9mm tracer: <ul style="list-style-type: none"> oo 3 soldiers per rifle squad oo 2 per scout squad o Each designated gunner will have participate in LFX within past 3 months. o All gunners will participate in Platoon EXEVAL as part of Company or higher FTX within past 6 months. 	N/A.	<ul style="list-style-type: none"> o Must successfully engage 9 of 14 targets (Table III & IV) within the last training year using 9mm tracer: <ul style="list-style-type: none"> oo 2 soldiers per rifle squad oo 2 per scout squad o Each designated gunner will have participate in LFX within past training year. 	<ul style="list-style-type: none"> o Must successfully complete Table I - III within the past training year: <ul style="list-style-type: none"> oo 2 soldiers per rifle squad oo 2 per scout squad o Each designated gunner will have participate in FTX/STX and EXEVAL within past training year. 	No TRC D units.
AT-4 (CAT II). Para 5-6 e. Table 5-24	<ul style="list-style-type: none"> o 10% of SGT and below by successfully engaging 6 of 8 targets with the 9mm tracer trainer within the past 12 months. 	N/A.	<ul style="list-style-type: none"> o 10% of SGT and below by successfully engaging 6 of 8 targets with the 9mm tracer trainer within the past 2 training year. 	No training requirements.	<ul style="list-style-type: none"> o 80% of instructors will have fired 9mm Tracer trainer within past 12 months. o 80% of Drill Sergeants will have fired 9mm Tracer trainer within past 24 months.
Mortars (60mm, 81mm, 107mm and 120mm) Para 5-7 Table 5-25,5-26,5-27,5-28	<ul style="list-style-type: none"> o 90% squad leaders/ gunners/asst. gunners will attain 70% in each event of mortar gunner's exam in past 6 months. o 90% of all leaders (section/squad) and FDC will have passed the FDC exam within past 6 months. o All section/platoons will completed external eval as part of FTX within past 6 months. 	N/A.	<ul style="list-style-type: none"> o 90% squad leaders/ gunners/asst. gunners will have passed mortar gunner's exam in past training year. o 90% of all leaders (section/ squad) and FDC will have passed the FDC exam within past training year. o All section/ platoons will completed external eval as part of FTX within past training year. 	<ul style="list-style-type: none"> o 80% squad leaders/gunners/ asst. gunners will have passed mortar gunner's exam within past training year. o 80% of all leaders (section/ squad) and FDC will have passed the FDC exam within past training year. o All sections will have completed external eval as part of FTX using SRTR within past training year. 	<ul style="list-style-type: none"> o 80% of instructors and 11C Drill Sergeants will have passed mortar gunner's exam, the FDC exam and fired one live round within past 12 months.

Machine Gun M60/M240B (CAT I)	<ul style="list-style-type: none"> o 90% of assigned MG/AG will qualify: <ul style="list-style-type: none"> oo Machine gunners within past 6 months. oo Assistant Machine gunners within last year o Each gunner will participate in LFX within past 3 months. o Platoon EXEVAL within past 6 months. 	N/A.	<ul style="list-style-type: none"> o 80% of assigned MG/AG will qualify: <ul style="list-style-type: none"> oo Machine gunners within past training year. oo Assistant Machine gunners within past 2 training years o Each gunner will participate in LFX within past training year. o Platoon EXEVAL within past 2 training years. 	<ul style="list-style-type: none"> o 80% of assigned MG/AG will qualify: <ul style="list-style-type: none"> oo Machine gunners within past training year. oo Assistant Machine gunners every other training years 	No TRC D units.
Machine Gun M60 /M240B M249LMG(CAT II)	<ul style="list-style-type: none"> o 90% of assigned MG/AG will qualify: <ul style="list-style-type: none"> oo Machine gunners within past 12 months oo Assistant Machine gunners biennially. 	N/A.	<ul style="list-style-type: none"> o 80% of machine gunners will qualify within past training year and will have completed all record fire requirements within the past 2 training years. 	<ul style="list-style-type: none"> o 80% of assigned machine gunners will qualify within past training year. 	<ul style="list-style-type: none"> o 80% of instructors will have qualified on the record (10 meter) and transition courses within the past 12 months. o 80% of instructors will have night record qualified within the past 24 months.
Machine Gun M2HB (CAT I)	<ul style="list-style-type: none"> o 90% of assigned will qualify: <ul style="list-style-type: none"> oo Machine gunners within past 12 months. oo Assistant Machine gunners: <ul style="list-style-type: none"> ooo Record fire (10 meter) within the past 12 months. ooo Completed all record fire requirements within the past 24 months. o Each crew will participate in: <ul style="list-style-type: none"> oo LFX within past 6 months. oo Platoon EXEVAL within past 12 months. 	<p>For Divisional Combat Engineer Units:</p> <ul style="list-style-type: none"> o 90% of assigned will qualify: <ul style="list-style-type: none"> oo Machine gunners within past 12 months. oo Assistant Machine gunners: <ul style="list-style-type: none"> ooo Record fire (10 meter) within the past 12 months. ooo Completed all record fire requirements within the past 24 months. 	<ul style="list-style-type: none"> o 80% of assigned will qualify: <ul style="list-style-type: none"> oo Machine gunners within past training year. oo Assistant Machine gunners within past 2 training years o Each gunner will participate in LFX within past training year. o Platoon EXEVAL within past 2 training years. 	<ul style="list-style-type: none"> o 80% of assigned will qualify: <ul style="list-style-type: none"> oo Machine gunners within past training year. oo Assistant Machine gunners every other training years 	No TRC D units.
Machine Gun M2HB (CAT II)	<ul style="list-style-type: none"> o 3 personnel will fire transition record course as instruction course annually 	No TRC 1A units	<ul style="list-style-type: none"> o One person will fire the practice and record course (10 Meter) within the last training year. 	<ul style="list-style-type: none"> o One person will fire the practice and record course (10 Meter) within the last training year. 	<ul style="list-style-type: none"> o 80% of instructors will have qualified on the record (10 meter) and transition courses within the past 12 months. o 80% of Drill Sergeants will have completed instructional firing (transition) within past 12 months.

Grenade Machine Gun MK19 (CAT I)	<ul style="list-style-type: none"> o 90% of gunners will meet standards within past 6 months. o 90% assistant gunners will meet standards within past 12 months. o Each gunner will participate in: <ul style="list-style-type: none"> oo Squad LFX within past 3 months. oo Co or Bn FTX in past 6 months. 	<p>For MP Units:</p> <ul style="list-style-type: none"> o 90% of gunners will meet standards within past 6 months. o 90% assistant gunners will meet standards within past 12 months. 	<ul style="list-style-type: none"> o 80% of gunners will meet standards within past training year. o 80% assistant gunners will meet standards within past 2 years. o Each gunner will participate in Squad LFX within past training year. 	<ul style="list-style-type: none"> o 70% of gunners will qualify on transition record course with the past training year. 	No TRC D units
Grenade Machine Gun MK19 (CAT II)	<ul style="list-style-type: none"> o 90% of gunners/ assistant gunners will have met standards within past 12 months. 	N/A	<ul style="list-style-type: none"> o 80% of gunners will confirm zero/transition practice within the past training year. o Gunners and assistant gunners will fire full qualification within the past 2 training years. 	<ul style="list-style-type: none"> o 70% will qualify on the transition practice course for instructional purpose within the past training year. 	<ul style="list-style-type: none"> o 80% of instructors will have completed: <ul style="list-style-type: none"> oo Zero/ transition within last 12 months. oo Transition/ night within last 24 months. o 80% of drill sergeants will have completed transition/night within the past 24 months.
M249 Automatic Rifle (CAT I)	<ul style="list-style-type: none"> o 90% of gunners will have met standards within the past 6 months. o Each gunner will have participated in a LFX within the past 3 months. 	N/A	<ul style="list-style-type: none"> o 80% of gunners will meet standards within past training year. o Each gunner will participate in Squad LFX within past training year. o Each gunner will participate in platoon EXEVAL within the past 2 years. 	<ul style="list-style-type: none"> o 70% of gunners will qualify on transition record course with the past training year. 	No TRC D units
H&K MP5 SMG 9mm	<ul style="list-style-type: none"> o 90% of protective service agents within past 3 months. 	N/A.	No TRC B units	No TRC C units	No TRC D units.
M249 Automatic Rifle (CAT II)	<ul style="list-style-type: none"> o 90% of gunners will have met standards within the past 12 months. 	N/A	<ul style="list-style-type: none"> o 80% of gunners will meet standards within past training year. o Each gunner will transition and night fire every 2 training years. <p><u>Need qualification from IS</u></p>	<ul style="list-style-type: none"> o 70% of gunners will conduct instructional firing on 10M and transition courses with the past training year. 	<ul style="list-style-type: none"> o 80% of instructors will have met: <ul style="list-style-type: none"> oo 10M and transition standards within past 12 months. oo Night record within the last 24 months. o 80% of drill sergeants will have completed instructional firing within the past 24 months.

Rifle (CAT 1) (M16A1/A2) Carbine (M4A1)	<ul style="list-style-type: none"> o 90% of soldiers will have met standards within the past 6 months. o Each rifle/scout squad will have participated in a LFX within the past 3 months. o All Infantry rifle platoons will participate in Platoon EXEVAL as part of CO or Bn FTX within past 6 months. 	N/A	<ul style="list-style-type: none"> o 80% of soldiers will have met standards within the past training year. o Each rifle/scout squad will have participated in a LFX within the past training year. o All Infantry rifle platoons will participate in Platoon EXEVAL within past 2 training years. 	<ul style="list-style-type: none"> o 70% of soldiers will qualify under NBC conditions and at night within the past training year. o Will participate in a squad/platoon/company FTX/STX within past training year. o Will participate in a squad/platoon/company EXEVAL within the past two training years. 	No TRC D units.
Rifle (CAT II) (M16A1/A2) Carbine (M4A1)	<ul style="list-style-type: none"> o 90% of soldiers will have met annual standards within past 12 months o Platoons will have completed an EXEVAL within the past 12 months. o 90% of SRT personnel will have met individual requirements within the past 12 months. 	N/A	<ul style="list-style-type: none"> o 80% of soldiers will verify zero, shoot the day practice and record course each training year. o NBC record course will be fired every two training years. o Soldiers will participate in squad/platoon/company FTX/STX. 	<ul style="list-style-type: none"> o 80% of soldiers will verify zero, shoot the day practice and record course each training year. o NBC record course will be fired every two training years. o Soldiers will participate in squad/platoon/company FTX/STX. 	<ul style="list-style-type: none"> o 80% of instructors and drill sergeants will: <ul style="list-style-type: none"> oo have met verify zero, shoot the day practice and record course within the past 12 months. oo NBC record course and night record fire will be conducted biennially.
M21/M24 Sniper Rifle	Includes TRC S (SRT).		<ul style="list-style-type: none"> o All will: <ul style="list-style-type: none"> oo Zero with quarterly oo Fire qualification and night fire within the past 4 months. oo Participate in LFX within the past training year. oo Successfully completed ARTEP standards within the past training year. 	<ul style="list-style-type: none"> o All will: <ul style="list-style-type: none"> oo Zero with quarterly oo Fire qualification and night fire within the past 4 months. oo Participate in LFX within the past training year. oo Successfully completed ARTEP standards within the past training year. 	No TRC D units.
Para 5-9 c.	o Zero monthly				
Table 5-40	o Qualification and night fire quarterly/TRCS X6 per yr	N/A.			
	o Completed in external CO or Bn FTX within the past 12 months.				
M3A1 SMG	<ul style="list-style-type: none"> o 90% will have conducted instructional firing within the past 12 months. 	N/A.	<ul style="list-style-type: none"> o 80% will have conducted instructional firing within the past training year. 	<ul style="list-style-type: none"> o 80% will have conducted instructional firing within the past training year. 	No TRC D units.
Para 5-9 d.					
Table 5-42					
M203 Grenade Launcher (CAT I,II)	<ul style="list-style-type: none"> Must meet M16 requirements also. o 90% will have met standards within the past 6 months. o Participated in squad/platoon LFX within the past 3 months. o CAT I will complete as part of CO or Bn FTX within past 12 months. 	N/A.	<ul style="list-style-type: none"> o 80% will have met standards within the past training year. o Participated in squad/platoon LFX within the past training year. o CAT I will complete as part of CO or Bn FTX within past 2 training years. 	<ul style="list-style-type: none"> o 80% will have met standards within the past training year. o Participated in squad/platoon LFX within the past training year. o CAT I will complete as part of CO or Bn FTX within past 2 training years. 	No TRC D units.
Para 5-9 e.					
Table 5-43					
M203 Grenade Launcher (CAT II)	<ul style="list-style-type: none"> Includes TRC S (SRT). o 90% will have met standards within the past 12 months. o TRC A units will have conducted I LFX within the past 12 months. 	N/A.	<ul style="list-style-type: none"> o 80% will have met standards within the past 2 training years. 	<ul style="list-style-type: none"> o 80% will have met standards within the past 2 training years. 	<ul style="list-style-type: none"> o 80% instructors and Drill Sergeants will have met requirements within the past 24 months, and with MOPP 4 clothing within the past 24 months.
Para 5-9 f.					
Table 5-44					

Pistols (M1911A1, M9, .38 Cal Revolver)		o 90% of soldiers assigned a pistol will have met the standards within the past 12 months.				
		o 90% of MPs assigned a pistol will have met the standards within the past 12 months.		o 80% of soldiers assigned a pistol will have met the standards within the past training year.	o 80% of soldiers assigned a pistol will have met the standards within the past training year.	o 80% of instructors and Drill Sergeants will have met requirements within the past 12 months.
	Para 5-9 g., (h & i = CID) Table 5-45,5-46	o Each MP will fire the night sustainment within the past 12 months. o 90% of SRT will have met the standard within the past 3 months. o 90% of Special Agents will have met the standard within the past 3 months. o Agents will have fired the night course within the last 12 months.	N/A.	o 80% of MPs assigned a pistol will have met the standards within the past training year.	o 80% of MPs assigned a pistol will have met the standards within the past training year.	
Hand Grenade (CAT I)		o 90% will have thrown a live Fragmentation within the past 12 months.		o 80% will have thrown a live grenade within the past 2 training years.	o 80% will have thrown a live grenade within the past 2 training years.	
		o 90% will have negotiated a the grenade course within the past 6 months.		o 80% will have negotiated the grenade course within the past training year.	o 80% will have negotiated the grenade course within the past training year.	No TRC D units.
	Para 5-9 j Table 5-47	o 90% will have participate in squad/ platoon LFX within the past 3 months.	N/A.	o 80% will have participate in squad/ platoon LFX within the past training year.	o 80% will have participate in squad/ platoon LFX within the past training year.	
Hand Grenade (CAT II)		o 90% will have thrown a live Fragmentation within the past 24 months.				
		o 90% of Combat, CS and CSS will have negotiated a the grenade course within the past 12 months.		Qualifying will occur post mobilization.	Qualifying will occur post mobilization.	Qualifying will occur post mobilization.
	Para 5-9 k Table 5-48	o 90% of SRT will have negotiated the grenade course within the past 3 months.	N/A.			
Claymore Mine (M18A1/A2) (CAT I,II)		o 90% will have emplaced, armed and disarmed an inert mine within the past 3 months.		o 80% will have emplaced, armed and disarmed an inert mine within the past 6 months.	o 80% will have emplaced, armed and disarmed an inert mine within the past 6 months.	
		o Each squad will have emplaced, armed and fired one live mine during a squad/platoon LFX within the past 3 months.		o Each squad will have emplaced, armed and fired one live mine during a squad/platoon LFX within the past training year.	o Each squad will have emplaced, armed and fired one live mine during a squad/platoon LFX within the past training year.	No TRC D units
	Para 5-9 l Table 5-49		N/A.			
Claymore Mine (M18A1/A2) (CAT I ,II) (CS/CSS)		o 90% will have emplaced, armed and disarmed an inert mine within the past 6 months.		o 80% will have emplaced, armed and disarmed an inert mine within the past training year.	o 80% will have emplaced, armed and disarmed an inert mine within the past training year.	80% of instructors will have emplaced, armed and disarmed an inert mine within the past 12 months.
	Para 5-9 m Table 5-50		N/A.			

M1200 Shotgun					
Para 5-9 n.	o 90% will have met standard within the past 3 months.	N/A.	o 80% will have met standard within the past training year.	o 80% will have met standard within the past training year.	o 80% of instructors will have conducted instructional fire met standard within the past 12 months.
Table 5-51					
M82A1 Sniper Rifle					
Para 5-9 o.	o 75% of Engineer personnel assigned will have qualified every 6 months.	N/A.	No TRC B units.	No TRC C units.	No TRC D units.
Table 5-41					
Fox Reconnaissance Vehicle -M240 MMG					
Para 5-9 p.	o 80% of crews will qualify FT XI and XII every 12 months.	N/A.	No TRC B units.	No TRC C units.	No TRC D units.
Table 5-31					

NOTE:

1. Review actual verbiage in referenced chapter for accuracy.

Table 5-6

Annual Ammunition Requirements & Training Strategy for the Bradley Fighting Vehicle							(M2) per Mech Battalion		(TRC A)		
Table	Freq	TPDS-T	Subcal TPT	7.62T	TOW Blast TOW ⁵	5.56 M80	7.62 Tracer	Red Coax	7.62 Phos	M21 Blank	Hoffman
PGT ¹	12										
BGST ¹	2										
COFT ¹	12										
TGP	1										
Table V x 70 Crews	2			11200							
Zero x 58 Vehicles	4	3	2					50			
Subtotal #4	696	464					11600				
VI A/B x 70 Crews	2	32	24					350			14
Subtotal #5	4480	3360					49000			1960	
VII A/B x 70 Crews	2	56	24					400			18
Subtotal #6	7840	3360					56000			2520	
VIII A/B x 70 Crews 2	48	48					450			21	
Subtotal #7	6720	6720					63000			2940	
Dismounted LFX ³ x 12 Plt	2										
Subtotal #8											
XI A/B x 12 Platoons ³	2	192	194			4	800	800			56
Subtotal #9	4608	4656			96	19200	19200			1344	
XII x12 Platoons ³	2	192	194			4		800			68
Subtotal #10		4608	4656			96		19200			1632
CALFEX x 58 Crews ²	1	24	24		1	2		200	16		12
Subtotal #11		1392	1392		58	116		11600	928		696
Co FTX x 58 Crews	2									400	
Subtotal #12										46400	
Bn FTX x 58 Crews	2									200	
Subtotal #13										23200	
Bn EXEVAL x 58 Crews	2									200	
Subtotal #14										23200	
Rds/Veh		523	424	386	1	5	331	3958	16	1600	191
Total Per Bn:		30344	24608	22400	58	308	19200	229600	928	92800	11092
DODIC		A940	A976	A146	PB96/94	L592	A072	A131	G978	A111	L602

Notes:

1. Preliminary Gunnery Training (PGT) is conducted monthly. BGST is conducted prior to live fire density and COFT is recommended at 4 hrs per crew every month.
2. TOW Gunnery Program (TGP) is conducted at a minimum prior to TOW live fire IAW [FM 23-1](#).
3. XI, XII and dismounted LFX are resourced from STRAC requirements for M16 rifle, M60 MG, SAW, Dragon, and AT-4.
4. Crew breakdown
 - 12 = 4 platoon vehicles x 3
 - 48 = 4 platoon vehicles x 12
 - 58 = primary crews
 - 70 = primary crews + 12 alternate platoon leader crews
5. As missiles become available.

Table 5-7

Annual Ammunition Requirements & Training Strategy for the Bradley Fighting Vehicle (M2) per Mech Battalion with Precision Gunnery System (PGS) (TRC A)

Table	Freq	TPDS-T	Subcal TPT	TOW Blast 7.62T	5.56 TOW ⁵ M80	7.62 Tracer	Red Coax	7.62 Phos	Blank	Hoffman
PGT ¹	12									
BGST ¹	2									
COFT ¹	12									
TGP	1									
Table V x 70 Cres	2			11200						
Zero x 58 Vehicles	4	3	2				50			
Subtotal #4	696	464				11600				
VI A/B x 70 Crews	2	32	24				350			14
Subtotal #5	4480	3360				49000			1960	
VII A/B x 70 Crews	2	56	24				400			18
Subtotal #6	7840	3360				56000			2520	
VIII A/B x 70 Crews	2	48	48				450			21
Subtotal #7	6720	6720				63000			2940	
Dismounted LFX ³ x 12 Plt	2									
Subtotal #8										
XI A/B x 12 Platoons ²	2 ⁶	192/PGS	194/PGS		4	800	400			56
Subtotal #9	2304	2328		48	9600	9600			672	
XII x 12 Platoons ³	2 ⁶	192/PGS	194/PGS		4		800			34
Subtotal #10		2304	2328		48		9600			816
CALFEX x 58 Crews ² 1	24	24		1	2	200	16		12	
Subtotal #11		1392	1392		58	116	11600	928		696
Co FTX x 58 Crews	2								400	
Subtotal #12									46400	
Bn FTX x58 Crews	2								200	
Subtotal #13									23200	
Bn EXEVAL x 58 Crews	2								200	
Subtotal #14									23200	
Rds/Veh		443	344	386	1	4	166	3627	16	1600 166
Total per Bn		25736	19952	22400	58	212	9600	210400	928	92800 9604
DODIC		A940	A976	A146	PB96/94	L592	A072	A131	G978	A111 L602

Notes:

1. Preliminary Gunnery Training (PGT) is conducted monthly. BGST is conducted prior to live fire density and COFT is recommended at 4 hrs per crew every month.
2. TOW Gunnery Program (TGP) is conducted at a minimum prior to TOW live fire IAW [FM 23-1](#).
3. XI, XII and dismounted LFX are resourced from STRAC requirements for M16 rifle, M60 MG, SAW, Dragon, and AT-4.
4. Crew breakdown:
 12 = 4 platoon vehicles x 3
 48 = 4 platoon vehicles x 12
 58 = primary crews
 70 = primary crews + 12 alternate platoon leader crews
5. As missiles become available.
6. One iteration will be fired with live ammunition. The second iteration will be conducted with PGS.

Table 5-8

Annual Ammunition Requirements & Training Strategy for the Bradley Fighting Vehicle (M2) per Mech Battalion (TRC B)

Table	Freq	TPDS-T	Subcal TPT	7.62T	TOW Blast TOW ^{4,5}	M80	7.62	7.62 Coax	M21 Blank	Hoffman
PGT ¹	12									
BGST ¹	1									
COFT ¹	6									
TGP ²	1									
V A/B x 70 Crews	1			160						
Subtotal #3			11200							
Zero x 58 Vehicles	2	3	2					50		
Subtotal #4	348	232					5800			
VI A/B x 70 Crews	1	32	24					350		14
Subtotal #5	2240	1680					24500		980	
VII A/B x 70 Crews	1	56	24					400		18
Subtotal #6	3920	1680					28000		1260	
VIII A/B x 70 Crews 1	48	48					450		21	
Subtotal #7	3360	3360					31500		1470	
EXEVAL x 12 Plt	1								400	
Subtotal #8								4800		
Rds/Veh		170	120	193				1648	83	64
Total Per Battalion: ⁴	9868	6952	11200	12	140		95600	4800	3710	
DODIC		A940	A976	A146	PB96/94	L592		A131	A111	L602

Notes:

1. Preliminary Gunnery Training (PGT) is conducted monthly, BGST is conducted annually and COFT is recommended at 4 hrs. per crew every other month.
2. TOW Gunnery Program (TGP) is conducted at a minimum prior to TOW live fire IAW [FM 23-1](#).
3. Crew breakdown
 12 = 4 platoon vehicles x 3
 48 = 4 platoon vehicles x 12
 58 = primary crews
 70 = primary crews + 12 alternate PL crews
4. Missile authorization is one per platoon per year.
5. As missiles become available.

Table 5-9
Annual Ammunition Requirements & Training Strategy for the Bradley Fighting Vehicle (M2) per Mech Battalion (TRC C)

Table	Freq	TPDS-T	TPT	Subcal	7.62T	TOW Blast	M80	7.62	7.62	M21	Hoffman
PGT ¹	12								Coax	Blank	
BGST ¹	1										
COFT ¹	6										
TGP ²	1										
V A/B x 70 Crews	1				160						
Subtotal #4				11200							
Zero x 58 Vehicles	2	3	2						50		
Subtotal #5	348	232						5800			
VI A/B x 70 Crews	.5 ⁴	32	24						350		14
Subtotal #6	2240	1680						24500/0		980	
VII A/B x 70 Crews	.5 ⁴	56	24						400		18
Subtotal #7	3920	1680						28000/0		1260	
VIII A/B x 70 Crews	.5 ⁴	48	48					450		21	
Subtotal #8	3360	3360						31500/0		1470	
EXEVAL x 12 Plts	.5 ⁴									400	
Subtotal #9									4800		
Rds/Veh		170/6	120/4		193				1548/100	83	64/0
Total Per Battalion:	9868/348 ⁵	6952/232 ⁵		11200	0	0		89800/5800	4800	3710/0 ⁵	
DODIC		A940	A976		A146				A131	A111	L602

Notes:

1. Preliminary Gunnery Training (PGT) is conducted monthly, BGST is conducted annually and COFT is recommended at 4 hrs. per crew every other month.
2. TOW Gunnery Program (TGP) is conducted at a minimum prior to TOW Live Fire IAW [FM 23-1](#).
3. Crew breakdown
 12 = 4 platoon vehicles x 3
 48 = 4 platoon vehicles x 12
 58 = primary crews
 70 = primary crews + 12 alternate PL crews
4. Biennial event.
5. Biennial event fired/Biennial event not fired.

Table 5-10
Annual Ammunition Requirements & Training Strategy for the Bradley Fighting Vehicle (M2) USAR (TRC D)

Table	Frequency	TPDS-T	TPT	TOW Blast	M80	7.62	7.62	M21	Hoffman
BGST	1								
COFT ¹									
I-II ² per Instructor	1				2				
Zero per Instructor	1	6	4				100		
Subtotal #1 per Instructor	1	6	4		2		100		
VI A/B per Instructor ³	.33	32	24			350		14	
VII A/B per Instructor ³	.33	56	24				400		18
VIII A/B per Instructor ³	.33	48	48				450		21
Subtotal #2 per Instructor	.33	136	96				1200		
Total per Instructor Every 36 Months:	154	108		6		1300		53	
DODIC		A940	A976		L592		A131	A111	L602

Notes:

1. COFT frequency is recommended at 4 hrs. per crew every other month.
2. Tables I-II are conducted annually.
3. Tables VI-VIII are conducted once every 36 months.

Table 5-11

Annual Ammunition Requirements & Training Strategy for the Bradley Cavalry Fighting Vehicle (M3) (TRC A)

Table	Freq	TPDS-T	Subcal TPT	7.62T	TOW Blast TOW ¹	M80	7.62	Red Coax	7.62 Phos	M21 Blank	Hoffman
PGT	12										
BGST	2										
COFT	12										
V	2			160							
Zero	4	3	2					50			
VI A/B	2	32	24			2		350			14
VII A/B	2	56	24			2		400			18
VIII A/B	2	48	48			2		450			21
TOW Qual	2										
IX A/B (Device Based)	4										
IX A/B	2	72	24					200			12
X A/B	2	72	24					200			15
CALFEX	1	24	24		1	2		200	16		12
Plt FTX	4					8				400	
Trp FTX	2					8				400	
Sqdn FTX/EXEVAL	3				4			200			
Trp FCX	2					1					
Sqdn FCX	1				1						
Totals per M3:		596	320	320	1	77		3600	16	3000	172
Totals per Plt:		3576	1920	1920	6	462		21600	96	18000	1032
Totals per ACR Sqdn:		23244	12480	12480	39	3003		140400	624	117000	6708
Totals per Div Sqdn:		23244	12480	12480	39	3003		140400	624	117000	6708
DODIC		A940	A976	A146	PB96/94	L592		A131	G978	A111	L602

1. As missiles become available.

Table 5-12

Annual Ammunition Requirements & Training Strategy for the Bradley Cavalry Fighting Vehicle (M3) with PGS (TRC A)

Table	Freq	TPDS-T	Subcal TPT	7.62T	TOW Blast TOW ¹	M80	7.62	Red Coax	7.62 Phos	M21 Blank	Hoffman
PGT	12										
BGST	2										
COFT	12										
V	2			160							
Zero	4	3	2					50			
VI A/B	2	32	24			2		350			14
VII A/B	2	56	24			2		400			18
VIII A/B	2	48	48			2		450			21
TOW Qual	2										
IX A/B (device Based)	4										
IX A/B	2 ²	72/PGS	24/PGS					200			12
X A/B	2 ²	72/PGS	24/PGS					200			15
CALFEX	1	24	24		1	2		200	16		12
Plt FTX	4					8				400	
Trp FTX	2					8				400	
Sqdn FTX/EXEVAL	3				8			200			
Trp FCX	2					1					
Sqdn FCX	1				1						
Totals per M3:		452	272	320	1	77		3200	16	3000	155
Totals per Plt:		2712	1632	1920	6	462		19200	96	18000	930
Totals per ACR Sqdn:		17628	10608	12480	39	3003		124800	624	117000	6045
Totals per Div Sqdn:	17628	10608	12480	39	3003		124800	624	117000	6045	
DODIC		A940	A976	A146	PB96/94	L592		A131	G978	A111	L602

1. As missiles become available.

2. One iteration will be fired with live ammunition. The second iteration will be conducted with PGS.

Table 5-13

Annual Ammunition Requirements & Training Strategy for the Bradley Cavalry Fighting Vehicle (M3) (TRC B)

Table	Frequency	TPDS-T	Subcal TPT	7.62T	TOW Blast TOW ¹	M80	7.62 Coax	7.62 Coax	M21 Blank	Hoffman
PGT	12									
BGST	1									
COFT	6									
V A/B	1			160						
Zero	2	3	2				50			
VI A/B	1	32	24		2		200		14	
VII A/B	1	56	24		2		200		18	
VIII A/B	1	48	48		2		200		21	
Plt FTX	1				8			400		
Trp FTX	1				8			400		
Trp FCX	1				1					
Totals per M3:		142	100	160		23	700	800	53	
Totals per Platoon:		852	600	960	1	138	4200	4800	318	
Totals per Trp:		2698	1900	3040	3	437	13300	15200	1007	
DODIC		A940	A976	A146	PB96/94	L592	A131	A111	L602	

Note:

1. Missile authorization is one per platoon per year as missiles become available.

Table 5-14

Individual Ammunition Requirements & Training Strategy for Bradley Cavalry Fighting Vehicle (M3) TRC C

Table	Frequency	TPDS-T	Subcal TPT	7.62T	7.62 Coax	7.62 Coax	M21 Blank	Hoffman
PGT	12							
BGST	1							
COFT	6							
V A/B	1			160				
Zero	2 ¹	3/0 ²	2/0 ²		50			
VI A/B	.5 ¹	32/0 ²	24/0 ²		200		14	
VII A/B	.5 ¹	56/0 ²	24/0 ²		200		18	
VIII A/B	.5 ¹	48/0 ²	40/0 ²		200		21	
TOW Qual 1								
Plt FTX	1						400	
Trp FTX	1						400	
Trp FCX	1							
Totals per M3:		142	100	160		700	800	53
Totals per Platoon:		852	600	960		4200	4800	318
Totals per Trp:		2698	1900	3040		13300	15200	1007
DODIC		A940	A976	A146		A131	A111	L602

Note:

1. Biennial Event.
2. Biennial Event Fired/Not Fired.

Table 5-15

Individual Ammunition Requirements & Training Strategy for Bradley Cavalry Fighting Vehicle (M3)						USAR	(TRC D)	
Table	Freq	TPDS-T	TOW Blast TPT	M80	7.62	Coax	M21	Hoffman
Phase I Reclass-RC POI	1							
Phase II 19D (D3) SOJTScout								
Commander's Certification Course	1	35	35	2		200		
Level III Annual								
Sustainment Training BGST	1							
I-V	1							
V	1							
Annual Total per TC:								
Triennial Sustainment TngZero	1	3	2		50			
VI	1	24	32	2		200		14
VII	1	68	49	2		200		18
Triennial total per TC:		130	118	6		650		32
DODIC		A940	A976	L592		A131		L602

Table 5-16

Annual Ammunition Requirements & Training Strategy for the Bradley Stinger Fighting Vehicle						M-2	(TRC A)		
			Subcal		7.62	Red	7.62	M21	
Table	Freq	TPDS-T	TPT	7.62T		Coax	Phos	Blank	Hoffman
PGT ¹	12								
BGST ¹	4								
COFT ¹	12								
V A/B x 30 Crews	2			160					
Subtotal #3			9600						
Zero x 30 Crews	4	3	2			50			
Subtotal #4	360	240			6000				
VI A/B x 30 Crews	2	32	24			350			14
Subtotal #5	1920	1440			21000			840	
VII A/B x 30 Crews	2	56	24			400			18
Subtotal #6	3360	1440			24000			1080	
VIII A/B x 30 Crews	2	48	48		450			21	
Subtotal #7	2880	2880			27000			1260	
IX x 30 Crews	1		80			50			
Subtotal #8		2400			1500				
X x 30 Crews	1		80			50			
Subtotal #9		2400			1500				
Rnds/Veh:	284	360	320		2700			106	
Total Per Bn:		8520	10800	9600		81000			3180
DODIC		A940	A976	A146		A131			L602

Note:

1. Preliminary Gunnery Training (PGT) is conducted monthly. BGST is conducted prior to live fire density and COFT is recommended at 4 hrs per crew every other month.

Table 5-17
Annual Ammunition Requirements & Training Strategy for the Bradley Stinger Fighting Vehicle M-3 (TRC-A)

Table	Freq	TPDS-T	Subcal TPT	7.62T	7.62 Coax	Red Phos	M21 Blank	Hoffman
PGT ¹	12							
BGST ¹	4							
COFT ¹	12							
V A/B x 30 Crews	2			160				
Subtotal #3			9600					
Zero x 30 Crews	4	3	2		50			
Subtotal #4	360	240			6000			
VI A/B x 30 Crews	2	32	24			350		14
Subtotal #5	1920	1440			21000		840	
VII A/B x 30 Crews	2	56	24			400		18
Subtotal #6	3360	1440			24000		1080	
VIII A/B x 30 Crews	2	48	48			450		21
Subtotal #7	2880	2880			27000		1260	
IX x 30 Crews	1		80			50		
Subtotal #8		2400			1500			
X x 30 Crews	1		80			50		
Subtotal #9		2400			1500			
Rnds/Veh:		284	360	320		2700		106
Total Per Bn:		8520	10800	9600		81000		3180
DODIC		A940	A976	A146		A131		L602

Note:

1. Preliminary Gunnery Training (PGT) is conducted monthly. BGST is conducted prior to live fire density and COFT is recommended at 4 hrs per crew every other month.

Table 5-18
Annual Ammunition Requirements & Training Strategy for the Bradley Stinger Fighting Vehicle M-2/3 (TRC C)

Table	Freq	TPDS-T	Subcal TPT	7.62T	7.62 Coax	M21	Hoffman
PGT ¹	2						
BGST ¹	1						
COFT ¹	6						
V A/B x 30 Crews	1			160			
Subtotal #3			4800				
Zero x 30 Crews	.5 ²	3	2		50		
Subtotal #4	90/0	60/0			1500/0		
VI A/B x 30 Crews	.5 ²	32	24			350	14
Subtotal #5	960/0	720/0			10500/0		420/0
VII A/B x 30 Crews	.5 ²	56	24			400	18
Subtotal #6	1680/0	720/0			12000/0		540/0
VIII A/B x 30 Crews	.5 ²	48	48			450	21
Subtotal #7	1440/0	1440/0			13500/0		630/0
Rnds/Veh:	139	98	160		1250		53
Total per Bn:		4170/0 ³	2940/0 ³	4800		37500/0 ³	1590/0 ³
DODIC		A940	A976	A146		A131	L602

Notes:

1. Preliminary Gunnery Tables (PGT) is conducted semi-annually. BGST is conducted prior to live fire density and COFT is recommended at 4 hrs per crew every other month.

2. Biennial Event

3. Biennial Event Fired/Not Fired.

Table 5-19

Annual Ammunition Requirements & Training Strategies for the Bradley Fire Support Vehicle					M-2/3	(TRC A)
		Subcal		7.62	M21	
Table	Freq	TPDS-T	TPT	7.62T	Coax	Hoffman
PGT ¹	4					
BGST ¹	1					
COFT ¹	6					
Zero	1	3	2			
VI A/B	1	32	24		350	14
VII A/B	1	56	24		400	18
VIII A/B	1	48	48		450	21
Total per BFSV:		139	98	1250	1200	53
DODIC		A940	A976	A146	A131	L602

Note:

1. Preliminary Gunner Training (PGT) is conducted quarterly. BGST is conducted prior to live fire density and COFT is recommended at 4 hrs per crew every other month.

Table 5-20

TOW Ammunition/Training Strategy

Event	Rounds Per Event		Red Phos	Frequency By TRC				DODIC
	M80	ATWESS		A	B	C	D	
Wpns Tng			12	4	1	1		
Gunner Sustainment ¹			12	4	1	1		
Gunner's Skill Test				4	1	1	1	
Table I ^{1,2}				4	2	1	1	
Table II				4	2	1	1	
Table III				4	2	1	1	
Table IV				4	2	1	1	
Table V A/B ^{3,4}	60			4	1	1	1	
Table VI A/B	60			4	1	1	0	
Table VII A/B	20			2	1	0	0	
Table VIII A/B	20			2	1	0	0	
Table IX A/B	12			2	1	0	0	
Table X A/B	12			2	1	0	0	
Table XI A/B	12			2	1	0	0	
Table XII A/B	12			2	1	0	0	
Sec/Sqd/Plt STX ⁵	14			6	4	2	0	
Co/Plt FTX ⁶		14	8	2	1	0	1	
Co/Plt EXEVAL ⁶		14	8	2	1	1	0	
CALFEX/MISSILE FIRE ⁷				1	1	0	0	
Bn EXEVAL ⁶		14	8	1	0	0	0	
Total rounds per system:								
M80 Blast Simulator			740	264	148	60 ⁸	L592	
ATWESS Cartridge				70	28	14	14	L367
Tow Missile ^{7/11}				1/Sys	1/Plt	0	0	(¹⁰)
Smoke				40	16	8	8	G978

Notes:

1. Conducted with TOW Gunnery Trainer, No Ammo Required.
2. Tables I-II: All 11H, Tables III-IV: Gunner Only.
3. Tables V-XII conducted with TOW Field Tactical Trainer (FTT). Ammo is M80 (L592).
4. Tables V-VI completed by Squad/Section Leader, Gunner, and loader.
5. STX conducted with FTT. Ammo is M80.
6. Force-on-Force events conducted with TOW MILES. Ammo is ATWESS (L367).
7. Missile Authorization is TRC A: 1 Per Sys, TRC B: 1 Per PLT.
8. TRC D TOW instructors authorized 20 rds M80 each.
9. When the M60 MG is used on the M901/ITV, use machine gun table 5-23 for ammunition requirements.
10. Tow Missile DODIC: PB94/PB96/PV04. PB96 and PB94 are fired from ITV and Bradleys, PV04 is fired from HMMWV, AH-1 or ground mounted systems.
11. As missiles become available.

Table 5-21

Dragon Ammunition/Training Strategy

Event	Rounds Per Event		Frequency By TRC				DODIC
	M80	ATWESS	A	B	C	D	
Weapon Training			12	6	2	2	
Gunnery Sustainment ¹			12	6	1	1	
Advance Tracking ²	60		6	1	0	0	
Verification Qualification ²	40		4	2	1	1	
Sqd/Plt/Co FTX/STX	6	8	1	1	0		
Bn FTX (TRC B Co FTX)		6	2	1	0	0	
EXEVAL (ARTEP)		6	2	1	0	0	
Sqd/Plt LFX ³		2	6	1	0	0	
CALFEX/Live Missile ³			1	0	0	0	
Total Rounds Per Gunner:							
M80			520	140	40	40	L592
ATWESS			84	20	6	0	L367
Live Missile ^{4/6}			1/Co	1/Bn	0	0	PL22/PL23

Notes:

1. The Dragon Gunnery Trainer is used for Gunnery Sustainment.
2. Advanced tracking and verification/qualification range portion conducted with DGN field tactical trainer. Ammo is M80.
3. Dragon participates in SQD/PLT LFX and CALFEX using MILES and the laser target interface device.
4. Live missile authorizations are: TRC A: 1 per company. TRC B: 1 per battalion.
5. M64 is used with LET if Dragon FTT is unavailable.
6. As missiles become available.

Table 5-22

Javelin Ammunition Training Strategy

Event	Rounds Per Event		Frequency By TRC				DODIC
			A	B	C	D	
Weapon Training			12	6	2	2	
Gunnery Sustainment ¹			12	6	1	1	
Advance Tracking ²			6	1	0	0	
Verification Qualification ²			4	2	1	1	
Sqd/Plt/Co FTX/STX		8	1	1	0		
Bn FTX (TRC B Co FTX)			2	1	0	0	
EXEVAL (ARTEP)			2	1	0	0	
Sqd/Plt LFX ³			6	1	0	0	
CALFEX/Live Missile ³			1	0	0	0	
Total Rounds per Gunner:			0	0	0	0	
Live Missile ^{4,5}			1/Co	1/Bn	0	0	

Notes:

1. Javelin Basic Skills Trainer is used for Gunnery Sustainment.
2. Advanced tracking and verification/qualification range portion conducted with Javelin field tactical trainer. No ammo is required.
3. Javelin participates in SQD/PLT LFX and CALFEX using MILES and the laser target interface device.
4. Live missile authorizations are: TRC A: 1 per company; TRC B: 1 per Battalion.
5. As missiles become available.

Table 5-23**AT-4 (CAT I) Ammunition/Training Strategy**

Event	Rounds Per Event		Frequency By TRC			DODIC
	9mm	ATWESS	A	B	C	
Preliminary Marksmanship Training (APP A, FM 23-35)			6	4	2	
Table I	12		2	1	1	
Table II	12		2	1	1	
Table III (Qualification)	8		2	1	1	
Table IV (Night Qualification)	6		2	1	0	
Table V (Advance Fire) ¹	6		2	1	0	
Sqd/Plt/Co FTX/STX	6	4	1	1		
Bn FTX		6	2	0	0	
CALFEX	5		1	0	0	
Sqd/Plt LFX	5		6	1	0	
EXEVAL (ARTEP)		6	2	1	1	
Instructional Fire ²			1	1	0	
Total Rounds Per Specified AT-4 Firer:						
9mm Tracer			123	49	32	A358
ATWESS			48	12	12	L367
Live Rocket			3/SQD	1/SQD	0/SQD	C995
Additional 9mm Tracer Per Squad ³			120	120	60	A358

Notes:

1. Not required for qualification. Training event only.
2. Heat cartridge authorized is: TRC A 3 per Inf Sqd; 2/SCT Sqd, TRC B 1/Sqd.
3. 120 rds of 9mm tracer ammunition is authorized to each squad for additional squad members to fire Tables I and V ([FM 23-35](#))

Table 5-24**AT-4 (CAT II) Ammunition/Training Strategy**

Event	Rounds Per Event		Frequency By TRC				DODIC
	9mm	ATWESS	A	B	C	D	
Preliminary Marksmanship Training (APP A, FM 23-35)			4	4	2	4	
Table I	12		1	1	0	1	
Table II	12		1	1	0	1	
Table III (Qualification)	8		1	1	0	1	
Table IV (Night Qualification) ²	6		1	0	0	0	
Table V (Advance Fire)	6		1	0	0	0	
Sqd/Plt/Co FTX		6	2	.5 ¹	0	0	
EXEVAL (ARTEP)		6	1	0	0	0	
Instructional Fire ³			0	0	0	1	
Total Rounds Per AT-4 Firer:							
9mm Tracer			44	32	0	32	A358
ATWESS			18	6/0 ⁵	0	0	L367
Additional Rounds Per Battalion⁴:							
CS/CSS 9MM Tracer			1800	1080	0	0	A358

Notes:

1. Biennial event.
2. Not required for qualification. Training event only.
3. Heat rocket authorization is: 1 per USAR Training Battalion TRC D.
4. This ammunition is required per battalion for other soldiers to fire Tables I and V. This ammunition is in addition to the firing requirements outlined above for each designated firer.
5. Biennial event fired/Biennial event not fired.

Table 5-25

60mm Mortar Annual Ammunition/Training Strategy

Event	Rounds Per Event				Frequency By TRC				DODIC
	HE	WP	Illum	SRTR	A	B	C	D	
Gunner's Exam/FDC Exam					2	1	1	1	
Crew Drill/FDC Tng					12	4	4	4	
Mortar Crew/Sec Tng			48 ¹		4	2	1	1	
EXEVAL Tng (W/SRTR)		4	8	48 ¹	1	0	1	0	
EXEVAL Tng (W/LIVE) ²	48	4	8	0	1	1	0	0	
EXEVAL (ARTEP) LFX ²	48	4	8	0	2	1	1	0	
CALFEX	18	2	3	0	1	0	0	0	

Total Rounds Per Gun:

HE					162	96	48	0 ³	B632/B642
WP					18	8	8	0	B630
Illum					35	16	16	0	B627
SRTR					16	7	7	4	B645
Refurb Kit					224	89	89	44	B653

Notes:

1. B645 is refurbishable using a B653 kit. Recommend 15 refurbishment kits, B653 per each B645 (ready to fire) cartridge requested. The tool kit, (M880/M766) available at all stations, is required for recovery and refurbishment of M766 cartridge IAW TM 9-1315-252-12 & P.
2. SRTR can be substituted for HE in this event.
3. TRC D mortar committees will shoot 1 Live HE per individual per year.

Table 5-26

81mm Mortar Annual Ammunition/Training Strategy

Event	Rounds Per Event				Frequency By TRC				DODIC
	HE	WP	Illum	SRTR	A	B	C	D	
Gunner's Exam/FDC Exam					2	1	1	1	
Crew Drill/FDC Tng					12	4	4	4	
Mortar Crew/Sec/Plt Tng	0	0	0	57 ¹	4	2	1	1	
Mortar Crew/Sec/Plt Tng	0	7	6	46 ¹	1	0	1	1	
Mortar Crew/Sec/Plt Tng	46	7	6	0	1	1	0	0	
EXEVAL (ARTEP) LFX	46	7	4	0	2	1	1	0	
CALFEX	29	2	5	0	1	0	0	0	

Total Rounds Per Gun:

HE					167	92	46	0 ²	C256
WP					30	14	14	7	C276
Illum					25	10	10	6	C226
SRTR					31	13	12	12	C876
Refurb Kits					243	101	91	91	C045

Note:

1. C876 is refurbishable using a C045 kit. Recommend 9 refurbishment kits per each C876 (ready to fire) cartridge requested. Tool kit, (M880/M766) available at all installations, is required for recovery and refurbishment of the M880 cartridge IAW TM 9-1315-252-12&P.
2. TRC D Mortar Committee will shoot 1 live HE per individual per year.

Table 5-27
107mm Annual Ammunition/Training Strategy

Event	Rounds Per Event			Frequency By TRC					DODIC
	HE	WP	Illum	SRTR	A	B	C	D	
Gunner's Exam/FDC Exam					2	1	1	1	
Crew Drill/FDC Tng				12	4	4	4		
Mortar Crew/Sec/Plt Tng w/60mm insert device		6 ²	2	45	1	1	1	1	
Mortar Crew/Sec/Plt Tng	45 ¹	6 ²	4		1	1	0	0	
EXEVAL (ARTEP) LFX	45 ¹	6 ²	4		2	1	1	0	
CALFEX	11	2 ²	6		1	0	0	0	

Total Rounds Per Gun:

107mm HE				146	90	45	0	C697 ⁴	
107mm WP ²					20	12	6	0	C708 (B630-60mm)
60mm WP ²				6	6	6	6	B630	
60mm Illum					2	2	2	2	B627
107mm Illum					18	8	4	0	C706
60mm SRTR					3	3	3	0	B645
Refurb Kits				42	42	42	0	B653	

Notes:

1. SRTR may be substituted for HE, scenario dependent. B645 is refurbishable using a B653 kit. Recommend 16 refurbishment kits, B653 for each B645 (ready to fire) cartridge requested. Tool kit (M880/M766) available IAW TM 9-1315-252-12 & P.
2. 60mm WP rounds, using the 60mm sleeve device, may be substituted. 107mm WP is restricted.
3. TRC D Mortar Committees will shoot 1 live HE per individual per year.
4. One N335 Fuze required for each C697 HE round.

Table 5-28
120mm Mortar Annual Ammunition/Training Strategy

Event	Rounds Per Event				FRTR	Frequency By TRC				DODIC
	HE	WP	Illum ³	SRTR		A	B	C	D	
Gunner's Exam/FDC Exam						2	1	1	1	
Crew Drill/FDC Tng						12	4	4	4	
Crew/Sec/Plt Tng w/81mm insert device				53 ¹		4	2	1	1	
EXEVAL Tng w/81mm insert device	31	10	3	31 ¹		1	1	1	1 ²	
EXEVAL Tng (120mm)		10	3		31 ⁴	1	1	0	0	
EXEVAL (ARTEP) LFX w/81mm insert device	31	10	3			1	1	1	0	
EXEVAL LFX (120mm)		10	3		31 ⁴		1	0	0	
CALFEX	11	2	6			1	0	0	0	

Total Service Rounds Per Gun:

120mm HE					11	0	0	0 ²	C623/C788 ⁵	
120mm WP						22	20	0	0	C624
120mm Illum ³						12 ³	6 ³	0	0	
81mm HE						62	62	62	31	C256
81mm WP					20	20	20	10	C276	
81mm Illum						18	12	6	3	C226
SRTR						27	15	9	9	C876
FRTR						62	62	0	0	CXXX
Refurbish Kits ¹						243	135	81	81	C045

Notes:

1. Training using 81 mm insert device will be conducted with 81 mm ammunition (C256, C276, C226, and with the C876 SRTR. The C876 is refurbishable using a C045 kit. Recommend 9 refurbishment kits per each C876 (ready to fire) cartridge requested. Tool kit (M880/M766) available at all installations is required for recovery and refurbishment of the C876 cartridge IAW TM 9-1315-252-12 & P.
2. TRC D Mortar Committees will shoot 1 live HE per individual per year.
3. All illumination training will be conducted using 300 Series 81mm (C226) illumination ammunition. No 120mm illumination rounds will be procured for training.
4. M931 FRTR substituted for 120mm HE.
5. C788 used for towed version.

Table 5-29
M60/M240B MG (CAT I) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency By TRC			DODIC
		A	B	C	
Preliminary Marksmanship Training	EST		4	4	2
10 Meter Zero/Practice	117 Ball	2	1	1	
10 Meter Record	119 Ball	2	1	1	
Transition Zero/Practice	182 Mix	2	1	0	
Transition Record	154 Mix	2	1	0	
Night Zero/Practice/Record	196 Mix	2	1	0	
Assistant Gunner (AG) 10M	236 Ball	1	.5 ¹	.5 ¹	
AG Transition/Night	532 Mix	1	.5 ¹	0	
Sqd/Plt LFX	300 Mix	6 ²	1	0	
CALFEX	200 Mix	1	0	0	
Sqd/Plt/Co FTX/STX	400 Blank	4 ²	1	1	
Bn FTX	400 Blank	2	0	0	
EXEVAL (ARTEP)	400 Blank	2	1	.5	
DRF Prep Fire ³	40 Mix				
Total Rounds Per Machine gun:					
Ball		708	472/236 ⁴	472/236 ⁴	A143
Mix		3596	1364/832 ⁴	0	A131
Blank		3200	800	400/600	A111

Notes:

1. Biennial event.
2. Predetermined fire should be integrated in collective training.
3. DRF preparatory fire: 40 Mix, requests are based on frequency of alert status.
4. Biennial event fired/Biennial event not fired.

Table 5-30
M60/M240B MG/ M249 LMG(CAT II) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency By TRC			
		A	B	C	D
Preliminary Marksmanship Training		4	4	2	4
10 Meter Zero/Practice	117 Ball	1	1	1	1
10 Meter Record	119 Ball	1	1	1	1
Transition Zero/Practice	182 Mix	1	.5 ¹	0	1
Transition Record	154 Mix	1	.5 ¹	0	.5 ¹
Night Zero/Practice/Record	196 Mix	1	0 ²	0	.5 ¹
Assistant Gunner (AG) 10M	236 Ball	1	0 ²	0	0
AG Transition/Night	532 Mix	.5 ¹	0 ²	0	0
Co/Plt FTX	200 Blank	1	.5 ¹	0	0
EXEVAL (ARTEP)	200 Blank	1	0 ²	0	0
DRF Prep Fire ³	40 Mix				
Total Rounds Per Machine gun: (DODIC)					
Ball	M240.M60 (A143) /M249 (A062)	472	236	236	236
Mix	M240.M60 (A131) /M249 (A064)	1064/532 ⁴	336/0 ⁴	0	532/182 ⁴
Blank	M240.M60 (A111) /M249 (A075)	400	200/0 ⁴	0	0

Notes:

1. Biennial event.
2. Post mobilization event.
3. DRF preparatory fire: 40 Mix, requests are based on the frequency of alert status.
4. Biennial event fired/Biennial event not fired.

Table 5-31

M240 (FOX) (CAT II) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency	DODIC
Preliminary Marksmanship Training		4	
Transition Zero/Practice	182 Mix	2	
Transition Record	154 Mix	2	
XI ¹	210 Mix	1	
XII ¹	285 Mix	1	
STX	200 Blank	4	
EXEVAL (ARTEP)	200 Blank	1	
Total Rounds Per Machine gun			
Ball		0	A143
Mix		1167	A131
Blank		1000	A111

Notes:

1. XI and XII are resourced from STRAC requirements for the M16 rifle and AT-4.

Table 5-32

M2 .50 Cal MG (CAT I) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency By TRC				DODIC
		A	(ENG)	B	C	
Preliminary Marksmanship Training		4		4	2	
Gunner's Exam		2		1	1	
10 Meter Zero	12 Ball	2	2	1	1	
10 Meter Record	119 Ball ¹	2	2	1	1	
Transition Zero/Practice ³	50 Mix		2	2	.5 ²	0 ⁶
Transition Record ³	154 Mix	2	2	.5 ²	.5 ²	
Night Zero/Practice/Record	182 Mix	1	0 ⁶	.5 ²	0 ⁶	
Asst Gunner Instructional Fire	154 Mix	1	1	.5 ²	.5 ²	
Sqd/Plt LFX	100 Mix	4	0 ⁶	0	0	
CALFEX	100 Mix	1	0	0	0	
Sqd/Plt/Co FTX/STX	100 Blank	2	0	1	0	
Bn FTX (TRC C Co FTX)	100 Blank	1	1	0	0	
EXEVAL (ARTEP)	100 Blank	1	0	0	0	
DRF Prep Fire ⁴	50 Mix					
Total Rounds Per Machine gun:						
Ball		262	262	131	131	A555
Mix		1244	562	540/0	154	A557
Blank		400	100	100	0	A598

Notes:

1. For this event .50 SRTA, DODIC A602, SR 4/1, may be substituted for .50 Cal service ammunition. The M3 recoil amplifier is required when using SRTA, DODIC A602.

2. Biennial event.

3. These exercises may be fired from the tripod or vehicular mount.

4. DRF preparatory fire: 50 Mix request based on the frequency of alert status.

5. Biennial event fired/Biennial event not fired.

6. All events with "0" will be fired post mobilization.

Table 5-33

M2 .50 Cal MG (CAT II) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency By TRC			DODIC
		A	B	C	
Preliminary Marksmanship Training		4	4	2	
Gunner's Exam		4	1	1	
10 Meter Zero	12 Ball ²	0	1	1	
10 Meter Record	119 Ball ²	0	1	1	
Transition Zero/Practice	50 Mix	1	0 ¹	0 ¹	
Transition Record	154 Mix	3	0 ¹	0 ¹	
Night Zero/Practice/Record	182 Mix	0	0 ¹	0 ¹	
Assistant Gunner (AG) 10M	119 Mix	0	0 ¹	0 ¹	
Sqd/Plt/Co LFX		0	0 ¹	0 ¹	
Co FTX	100 Blank	1	.5 ⁴	0 ¹	
EXEVAL (ARTEP)	100 Blank	0	0 ¹	0 ¹	
DRF Prep Fire ³	50 Mix				
Total Rounds Per Machine gun:					
Ball		0	131	131	A555
Mix		512	0	0	A557
Blank		100	100/0 ⁵	0	A598

Notes:

1. All events with "0" will be fired post mobilization (TRC C)/deployment (TRC A).
2. For this event .50 Cal (DODIC: A602, SR4/1) may be substituted for .50 Cal service ammunition. The M3 recoil amplifier is required when using SRTA.
3. DRF Preparatory fire: 50 Mix request based on frequency of alert status.
4. Biennial Event.
5. Biennial Event fired/Biennial Event not fired.

Table 5-34

MK19 MG (CAT I) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency By TRC				DODIC
		A ⁷	(MP)	B	C	
Preliminary Marksmanship Training		4		4	2	
Gunnery Skills Test	10 Dummy Rounds	4	4	4	2	
Zero/Transition Practice ^{2,3}	Table 1 30 TP	2	2	1	1	
Transition Record ²	Table 5 42 TP	2	2	1	1	
Night Record ²	Table 7 22 TP	2	2	1	0	
Assistant Gunner (AG) Qualification	Table 1 ⁵ 68 TP	1	1	.5 ¹	0	
Sqd/Plt LFX C-8/9/10	30 TP	4	0	1	0	
EXEVAL (ARTEP)		1		1	0	
CALFEX C-8/9/10	24 TP	1	0	0	0	
DRF Prep fire ⁴	5 TP					
Total Rounds Per Weapon:						
Dummy Rounds		10	10	10	10	B472 ⁸
TP		400	256	192/118 ⁶	72	B584

Notes:

1. Biennial event.
2. Commanders determine if tripod or vehicle mounted.
3. HE round may be substituted for TP rounds for HE familiarization. If HE rounds are used they must be fired into a dedicated, fenced impact area due to danger from duds.
4. DRF Preparatory fire: 5 TP, request is based on frequency of alert status.
5. Assistant Gunner only fires transition practice/record using a zeroed MK19.
6. Biennial event fired/Biennial event not fired.
7. This category includes: Infantry Platoons, AT Platoons, Mechanized Scout Platoons, and D Company.
8. Reorder as required

Table 5-35

MK19 MG (CAT II) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency By TRC			DODIC
		A	B	C	
Preliminary Marksmanship Training		4	4	2	
Gunnery Skills Test	10 Dummy Rounds	4	4	2	
Zero/Transition Practice ²	Table 1 30 TP	1	1	1	
Transition Record ²	Table 5 42 TP	1	.5 ¹	0	
Night Record ²	Table 7 22 TP	.5 ¹	.5 ¹	0	
Assistant Gunner (AG)	Table 1 ⁵ 26 TP	.5 ¹	.5 ¹	0	
EXEVAL (ARTEP)		1	0	0	
DRF Prep fire ⁴	5 TP				
Total Rounds Per Weapon:					
Dummy Rounds		10	10	10	B472 ⁷
TP		120/72 ⁶	120/30 ⁶	30	B584

Notes:

1. Biennial event.
2. Commanders determine if tripod or vehicle mounted.
3. HE round may be substituted for TP rounds for HE familiarization. If HE rounds are used they must be fired into a dedicated, fenced impact area due to danger from duds.
4. DRF Preparatory fire: 5 TP, request is based on frequency of alert status.
5. Assistant Gunner only fires transition practice record using a zeroed MK19.
6. Biennial event fired/Biennial event not fired.
7. Reorder as required

Table 5-36

M249 AR (CAT II) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency By TRC			DODIC
		A	B	C	
Preliminary Marksmanship Training	EST	4	4	4	
10 Meter Zero/Practice	57 Ball	2	1	1	
10 Meter Record	51 Ball	2	1	1	
Transition Zero/Practice	78 Mix	2	1	1	
Transition Record	66 Mix	2	1	1	
Night Zero/Practice/Record	90 Mix	2	1	1	
Fire and Move LFX	70 Mix	4	1	1	
Sqd/Plt LFX	300 Mix	6	1	1	
CALFEX	200 Mix	1	0	0	
Sqd/Plt/Co FTX/STX	200 Blank	4	2	1	
Bn FTX	300 Blank	2	0	0	
EXEVAL (ARTEP)	300 Blank	2	1	.5	
DRF Preparatory Fire ²	40 Mix				
Total Rounds Per Weapon:					
Ball		216	108	108	A062
Mix		2748	604	604	A064
Blank		2000	700	500/200 ³	A075

Notes:

1. Biennial event.
2. DRF Preparatory Fire: 40 Mix request based on frequency of alert status.
3. Biennial event fired/Biennial event not fired.

Table 5-37 M249 LMG CatII (Deleted)

See Table 5-30

Table 5-37**M249 AR (CAT II) Ammunition/Training Strategy**

Event	Rounds Per Event	Frequency By TRC				DODIC
		A	B	C	D	
Preliminary Marksmanship Training	EST	4	4	2	4	
10 Meter Zero/Practice	57 Ball	1	1	1	1	
10 Meter Record	51 Ball	1	1	0	1	
Transition Zero/Practice	78 Mix	1	.5 ¹	1	1	
Transition Record	66 Mix	1	.5 ¹	0	0	
Night Zero/Practice/Record	90 Mix	1	.5 ¹	0	.5 ¹	
Plt/Co FTX/STX	300 Blank	1	.5 ¹	0	.5 ¹	
EXEVAL (ARTEP)	300 Blank	.5	0	0	0	
DRF Preparatory Fire ²	40 Mix					
Total Rounds Per Weapon:						
Ball		108	108	57	108	A062
Mix		234	234/0 ³	78/0 ³	168/78 ³	A064
Blank		600/300 ³		300/0 ³	0	300/0 ³ A075

Notes:

1. Biennial event.
2. DRF Preparatory Fire: 40 Mix request based on frequency of alert status.
3. Biennial event fired/Biennial event not fired.

Table 5-38**M16A1/A2 Rifle/M4 Carbine (CAT I) Ammunition/Training Strategy**

Event	Rounds Per Event	Frequency By TRC			DODIC
		A	B	C	
Preliminary Marksmanship Training	EST/Wpneer/MAC	4	4	4	
Zero ²	18 Ball	2/3 ⁶	1	1	
Practice Fire ²	40 Ball	2/3 ⁶	1	1	
Record Fire ²	40 Ball	2/3 ⁶	1	1	
NBC Practice ²	20 Ball	2	1	1	
NBC Record ²	20 Ball	2	1	1	
Night Practice ³	20 Ball/10 Tracer	2	1	1	
Night Record ³	20 Ball/10 Tracer	2	1	1	
NVS Zero	18 Ball	2	0	0	
Advanced Skills	100 Ball	2	0	0	
Fire and Move LFX	16 Ball/4 Tracer	4	1	1	
Sqd/Plt LFX	130 Ball/20 Tracer	6	1	1	
CALFEX	120 Ball/10 Tracer	1	0	0	
Sqd/Plt/Co FTX/STX	120 Blank	4	2	1	
Bn FTX	120 Blank	2	0	0	
EXEVAL (ARTEP)	120 Blank	2	1	.5 ¹	
DRF Prep Fire ⁴	18 Ball				
Total Rounds Per Rifle:					
Ball		1556/1654	324	324	A071/A059
Tracer		186	44	44	A068/A063
Blank		960	360	120/240 ⁵	A080

Notes:

1. Biennial event.
2. For these events 5.56 SRTA for 5.56 service ammunition if required to fire on alternative course. The M2 bolt assembly is required when using the SRTA and the M261 Rim Fire Adapter (RFA) is required when using .22 Cal ammunition. Reference FM 23-9, JUL 89. These substitutes will only be used when service caliber firing is not feasible based on resources available and unit METL. Can be used on 25 meter indoor/outdoor range.
3. Night fire, use 20 Ball and 10 Tracer rounds for firing night fire to standard (FM23-9).
4. DRF Preparatory FIRE: 18 Ball to confirm zero. Requests are based on frequency of alert status.
5. Biennial events fired/Biennial events not fired.
6. Soldiers equipped with the Close Combat Optic (CCO) qualify two times with CCO and one time with iron sights.

Table 5-39

M16A1/A2 Rifle M4 Carbine (CAT II) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency By TRC					DODIC
		A	S	B	C	D	
Preliminary Marksmanship Training	EST/Wpneer/MAC	4	4	4	4	4	
Zero ²	18 Ball	1	2	1	1	1	
Practice Fire ²	40 Ball	1	2	1	1	1	
Record Fire ²	40 Ball	1	2	1	1	1	
NBC Practice ²	20 Ball	1	1	.5	0	.5 ¹	
NBC Record ²	20 Ball	1	1	.5	0	.5 ¹	
Night Practice ³	20 Ball/10 Tracer	1	1	.5	0	.5 ¹	
Night Record ³	20 Ball/10 Tracer	1	1	.5	0	.5 ¹	
Plt/Co FTX/STX	40 Blank	2	1	.5	1	0	
EXEVAL (ARTEP)	40 Blank	1	0	0	0	0	
DRF Prep Fire ⁴	18 Ball						
Total Rounds Per Rifle:							
Ball		178	276	178/98 ⁵	98	178/98 ⁵	A071/A059
Tracer		20	20	20/0 ⁵	0	20/0 ⁵	A068/A063
Blank		120	40	40/0 ⁵	40	0	A080

Notes:

1. Biennial event.
2. For these events 5.56 SRTA or .22 Cal ammunition may be substituted as appropriate and applicable for 5.56 service ammunition. The M2 bolt assembly is required when using the SRTA and the M261 Rim Fire Adapter (RFA) is required when using .22 Cal ammunition. Ref FM 23-9, JUL 89. These substitutes will only be used when service caliber firing is not feasible based on resources available and unit METL. Can be used on 25 meter indoor/outdoor range.
3. Night fire, use 20 Ball and 10 Tracer rounds for firing night fire to standard (FM23-9).
4. DRF Preparatory FIRE: 18 Ball to confirm zero. Requests are based on frequency of alert status.
5. Biennial events fired/Biennial events not fired.

Table 5-40

M21/24 Sniper Rifle (CAT I) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency By TRC				DODIC
		A	S	B	C	
PMI		12	12	4	4	
Zero/Sustainment ¹	27 Ball	12	12	4	2	
Qualification ^{2,3}	60 Ball	4	6	4	2	
Night Fire	15 Ball	4	6	4	2	
LFX	10 Ball	6	0	1	0	
CALFEX	10 Ball	1	0	0	0	
STX	10 Blank	12	15	4	2	
Bn FTX	10 Blank	2	0	0	0	
EXEVAL	10 Blank	1	0	1	1	
Total Rounds Per Sniper:						
Ball		694	774	418	204	A136/A171
Blank		150	150	50	30	A112

Notes:

1. Sniper team uses either iron sight or scope or both.
2. Sniper and observer fire all individual tables.
3. Special Reaction Teams: Marksmen and Observer will qualify IAW AR 190-58.

Table 5-41

M82A1 Sniper Rifle (CAT II) Ammunition/Training Strategy

Event	Rounds Per Event	Frequency	DODIC
PMI		4	
Zero/Familiarization	40 Ball	2	
Qualification	20 Ball	2	
Total Rounds Per Sniper:	120 Ball		A525/531

Table 5-42

M3A1 SMG Ammunition/Training Strategy

Event	Rounds Per Event	Frequency By TRC			DODIC
		A	B	C	
Preliminary Marksmanship Training		4	4	4	
Instructional Fire	20 Ball	1	1	1	
Total Rounds Per Crewman:					
Ball		20	20	20	A475

Table 5-43

M203 GL (CAT I) Ammunition/Training Strategy

Event	Rounds By Event	Frequency By TRC			DODIC
		A	B	C	
Preliminary Marksmanship Training		4	4	4	
Night Record Fire	3 HE	2	1	1	
Zero ¹	6 TP		2	1	1
Qualification ²	12 TP	2	1	1	
Sqd/Plt LFX	18 TP/5 WSP	6	1	1	
CALFEX	12 TP	1	0	0	
DRF Prep Fire ³	6 TP				
Total Rounds Per Weapon:					
HE		6	3	3	B546
TP		156	36	36	B519
WSP		30	5	5	B535

Notes:

1. Zero Quadrant Sight using 3 TP rounds, Zero Leaf Sight using 3 TP rounds, then quality IAW [FM 23-31](#).
2. TP will not be substituted for HE during night qualification.
3. DRF Prep Fire: 6 TP: Request based on frequency of alert status.

Table 5-44**M203 GL (CAT II) Ammunition/Training Strategy**

Event	Rounds Per Event	Frequency By TRC				DODIC
		A	S	B	C	D
Preliminary Marksmanship Training		4	4	4	2	4
Night Record Fire	3 HE	1	1	1	0	0
Zero ²	6 TP		1	1	1	1
Qualification ³	12 TP	1	1	.5 ¹	0	.5 ¹
LFX	4 TP		1	0	0	0
DRF Prep Fire ⁴	6 TP					
Total Rounds Per Weapon:						
HE		3	3	3	0	0
TP		22	18	18/12 ⁵	6	18/12 ⁵

Notes:

1. Biennial Event
2. Zero Quadrant Sight using 3 TP rounds, Zero Leaf Sight using 3 TP Rounds, then qualify IAW [FM 23-31](#).
3. TP will not be substituted for HE during night qualification.
4. DRF Prep Fire: 6 TP: Request based on frequency of alert status.
5. Biennial Event fired / Biennial Event not fired.

Table 5-45**Pistol Ammunition/Training Strategy**

Event	Rounds Per Event	Frequency By TRC			
		A	B	C	D
Preliminary Marksmanship Training		1	1	1	1
Instructional Fire	25 Ball	2	1	1	1
Combat Pistol Qualification course ¹⁴	40 Ball	1	1	1	1
DRF Prep Fire ²	7 Ball				
Total Rounds Per Firer:					
Ball ³		90	65	65	65

Notes:

1. Soldiers will fire Tables I-V, APP A, [FM 23-35](#).
2. DRF/RRF Preparatory Fire: 7 Ball, requests are based on frequency of alert status.
3. DODIC: .38 Cal - A400; 9mm - A363; .45 Cal - A475.
4. Fire only CPQC tables I, II and V as day phase. Fire table III as the NBC portion, and fire table IV as the night portion

Table 5-46**MP/CID/SRT Pistol Ammunition/Training Strategy**

Event	Rounds Per Event	Frequency By TRC				
		A	S	B	C	D
Preliminary Marksmanship Training ¹		4	8	4	4	1
Instructional Fire	10 Ball	0	4 ³	0	0	0
Combat Pistol Qualification Course/Inst. Fire ²	50 Ball	1	0	0	0	0
MP Firearms ⁴ , Qualification Course/Inst. Fire ²	60 Ball	1	4	1	1	1
MP Night Firearms Sustainment Course	20 Ball	1	4	1	1	.5 ⁸
NBC Record Fire	20 Ball	1	1	0	0	0
Total Rounds Per Pistol:						CID ^{6,7}
Ball DODIC: .38 Cal. - A400; 9mm - A363; .45 Cal. - A475		150/160 ⁵	380	80	80	80/60 ⁹

Notes:

1. Preliminary marksmanship conducted using SDSSTD.
2. Instructional firing is conducted during qualification firing. It is not a separate firing event.
3. SRTs will instructional fire during each quarterly qualification IAW AR 190-58. The four additional instructional fires will be used between qualifications.
4. Military police will qualify once on the MP Firearms Qualification Course if available. If not available, qualification will be on the Combat Pistol Qualification Course.
5. If TRC A units qualify twice on the MPFQC then 160 rounds are resourced.
6. CID agents will qualify quarterly - - 72 rounds per quarter.
7. CID agents night sustainment - - 60 rounds yearly.
8. Biennial Event
9. Biennial Event fired/not fired

Table 5-47**Hand Grenade (CAT I) Ammunition/Training Strategy**

Event	Ammunition Per Soldier		Frequency By TRC			DODIC
	M228	M67	A	B	C	
Qualification	10	0	2	1	1	
Live Grenade Throw	0	1	1	.5 ¹	0	
Sqd/Plt LFX	8/Sqd	0	6	1	0	
Total Per Soldier:						
M228 ²			20	10	10	G878
M67			1	1/0 ³	0	G881
Total Per Squad:						
M228			48	8	0	

Notes:

1. Biennial Event
2. When ordering the M228 Practice Fuze, order the body practice hand grenade, DODIC G811, to conduct training.
3. Biennial Event fired / Biennial Event not fired.

Table 5-48**Hand Grenade (CAT II) Ammunition/Training Strategy**

Event	Ammunition Per Soldier		Frequency By TRC					DODIC
	M228	M67	A	S	B	C	D	
Qualification	10	0	1	4	0 ²	0 ²	0 ²	
Live Grenade Throw	0	1	.5 ¹	0	0 ²	0 ²	0 ²	
Total Per Soldier:								
M228 ³			10	40	0	0	0	G878
M67			1/0 ⁵	0	0	0	0	G881
Additional M228 (G878) Per SRT Team⁴			108 ²					

Notes:

1. Biennial Event
2. Post Mobilization Event
3. When ordering M228 Practice Fuze, order body practice hand grenade, DODIC G811, to conduct training.
4. In addition to qualification, SRT teams are authorized additional M228 (G878) to conduct monthly FTX's. One M228 (G878) is authorized per member 12 times a year. Calculations are based on 9 member SRT team.
5. Biennial Events fired / Biennial Events not fired.

Table 5-49**M18A1/A2 Mine (CAT I) Ammunition/Training Strategy**

Event	Mines Per Event	Frequency By TRC		
		A	B	C
Employment Instruction/Qualification	INERT	4	2	2
Sqd/Plt/Co FTX/STX	INERT	4	1	1
Bn FTX	INERT	2	0	0
EXEVAL (ARTEP)	INERT	1	.5 ¹	0
Sqd/Plt LFX	1 M18A1/A2 Per Sqd	6	1	0
Total M18A1/A2 Claymore Mines Per Squad:				
M18A1/A2 Claymore Mine ²		6	1	0

Notes:

1. Biennial Event
2. K143 is the primary DODIC for the live claymore mine. If K145 is substituted for K143, units must order the accessories: M57 firing device, M40 Test Set, M4 Electric Blasting Cap, and M7 Bandoleer. K139 is inert claymore mine.

Table 5-50**M18A1/A2 Mine (CAT II) Ammunition/Training Strategy**

Event	Mines Per Event	Frequency By TRC			
		A	B	C	D
Employment Instruction/Qualification	INERT	2	1	1	1
Co/Plt FTX	INERT	2	1	1	0
Evaluation (ARTEP)	INERT	0	0	0	0
Live Fire Qualification	1 M18A1/A2 Per Plt	1	0 ¹	0 ¹	0 ¹
Total M18A1/A2 Claymore Mines Per Plt:					
M18A1/A2 Claymore Mine ²		1	0	0	0

Notes:

1. Post-mobilization Event.
2. K145 is substituted for K143 then units must order the accessories: M57 firing device, M40 Test Set, M4 Electric Blasting cap, and M7 Bandoleer. K139 is inert claymore mine.

Table 5-51**Shotgun Ammunition/Training Strategy**

Event	Rounds Per Event	Frequency By TRC					DODIC
		A	S	B	C	D	
Instructional Fire	3		1	8	1	1	1
Qualification Fire	10		1	4	1	1	1
Total Rounds Per Firer:							
Buckshot		13	64	13	13	13	A011

Table 5-52**H & K MP5 SMG 9mm**

Event	Rounds Per Event	Frequency	DODIC
Qualification	50	4	
Total Rounds Per Firer:			
Ball	200		A363

Note: CID Special Agents assigned to the protective services unit will qualify IAW CIDR 195-19.